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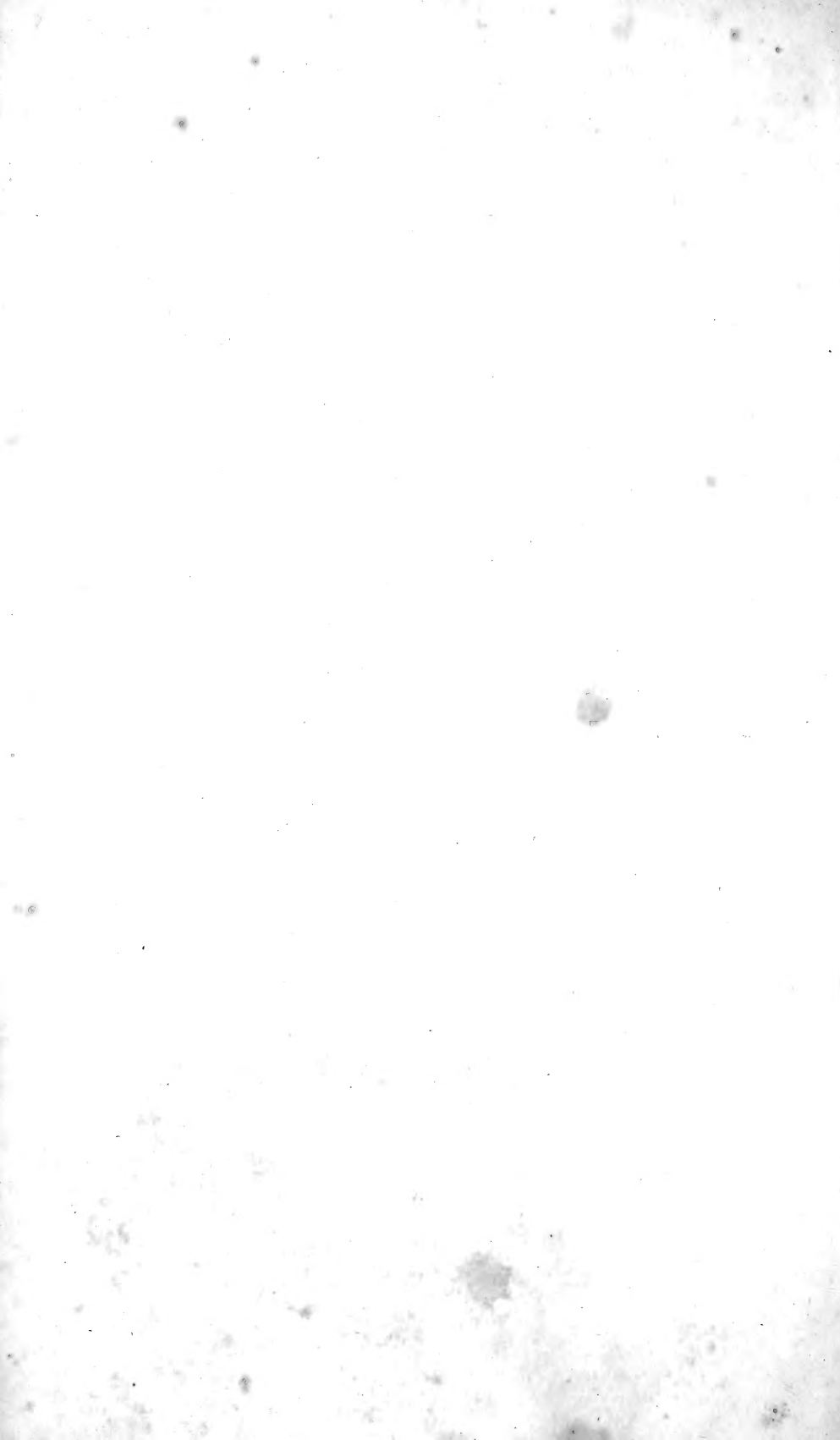
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EX. SCARCE









THE
NATURAL HISTORY
OF
BRITISH BIRDS;

OR, A
SELECTION OF THE MOST RARE, BEAUTIFUL, AND INTERESTING
BIRDS
WHICH INHABIT THIS COUNTRY:

THE DESCRIPTIONS FROM THE
SYSTEMA NATURÆ

OF
LINNÆUS;

WITH
GENERAL OBSERVATIONS,
EITHER ORIGINAL, OR COLLECTED FROM THE LATEST
AND MOST ESTEEMED

ENGLISH ORNITHOLOGISTS;

AND EMBELLISHED WITH
FIGURES,
DRAWN, ENGRAVED, AND COLOURED FROM THE ORIGINAL SPECIMENS.

BY E. DONOVAN.

LONDON:

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THIS Work being now completed, we conceive our engagement with the Subscribers, is, in every respect fulfilled, and that it only remains to embrace this opportunity, to repeat our thanks for their favours ; and in particular, for the candour with which the Supplementary Part has been received.

But, in submitting the work to the Public in general, as an illustration of an important branch of British Zoology, it is incumbent on us, to state briefly, the nature, and extent of the undertaking, the information it contains, and its peculiar advantages. In this retrospective survey of the work, we must advert to our former observations ; some similar remarks appeared at the conclusion of the fourth volume, and we retrace those, as they immediately relate to the outline of our design.

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Ornithology, as a science, has undergone various alterations and improvements: different authors have submitted their systems to the world, and each has found its admirers and opponents; nor has the unrivalled genius of Linnæus devised an arrangement in which those opposite opinions may be reconciled. On the importance of Ornithology, in the great scale of animated nature, no difference of opinion can prevail. The beauty and elegance of the feathered race: their pleasing and various melody; their sagacity, and tractable manners, has been admired in every age and country; and their unerring œconomy and instinct, has ever engaged the attention of the moral philosopher. The Birds of this country are of plainer colours than those of warmer climates, but they are not less interesting to the English naturalist. If, in some instances, their beauty has little claim to our notice; in others it excites our admiration; and to the intelligent mind, their beauty, their singularities, peculiar manners, and œconomy are equally engaging. They are the source of information and improvement to the practical Ornithologist, and of rational and agreeable amusement to every common observer of nature.

At the commencement of this work, it was our intention to form a complete History of British Ornithology, and to include figures of all the known Birds, amounting to more than two hundred and fifty species; but we have since conceived it would be advisable to select only the more beautiful

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tiful Birds, in addition to those which are interesting to the naturalist : for a considerable number of the British species are so well known, that their history would be tedious, and the figures unnecessary, in a work professedly designed to treat of the most remarkable species only. Not that we have entirely overlooked the common Birds ; in several instances some of these are introduced also, to point out their singular habits of life, and other interesting peculiarities ; but, in general, we have endeavoured to form an instructive as well as amusing illustration of this department of Natural History.

It will perhaps be contended, that a complete collection of figures and descriptions of all the British Birds, would be more acceptable than any partial selection, however comprehensive. We admit the propriety of this objection ; but must observe, that such addition would considerably increase the expense to the purchaser, and scarcely contribute to his information. On the other hand, this work, in its present limits, may assist the researches of the uninformed naturalist, and tend to promote a deeper and more extensive enquiry into this branch of science. It embraces in one view the whole of those British Birds that are scarcely known, and of which the inquisitive reader, under many circumstances, may be desirous of information. We have omitted many of those Birds which constantly inhabit this country ; but have included all local species, and in particular, those,

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whose haunts and breeding places are difficult of access, and the Birds in consequence, little known. The extensive marshes and lowlands in some parts of the kingdom, are the retreats and breeding places of certain species. Those solitary kinds, which retire to the depths, and gloomy recesses of forests, are rarely observed; and many of those which seek the open plain for security, elude our vigilance, and are not better known. But the rarest of the local kinds, are of the rapacious and gallinaceous tribes, which never leave their dreary solitudes: their wilds and barren mountains in the north; to visit the southern parts of Great Britain. The migratory Birds are numerous, and include many well known species, with others that are uncommonly scarce. We have taken an extensive variety of the beautiful Land Birds, that resort to this country occasionally from the south of Europe; and of the aquatic or web-footed tribe, that are driven by the severity of the winter in the Arctic regions to seek shelter on our shores. History and tradition inform us of other Birds that formerly inhabited these kingdoms, but are now extirpated; and these form an interesting sequel to this selection. We cannot vindicate the propriety of introducing naturalized exotic species amongst these, though they are arranged by our Naturalists in the British Ornithology; and in some instances we have followed their authority, for the sake of embellishment and variety.

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In the course of publication, we have been fortunate in procuring specimens of many uncommon Birds. Among the most remarkable, are *The Rose-coloured Ouzel*, *Roller*, *Little Bittern*, *Waxen Chatterer*, *Black Woodpecker*, and in particular that rare and almost unknown species, the *Wood Chat*.—*The Red-necked Grebe*, *Dartford Warbler*, *Dusky Lark*, *Long-legged Plover*, *Egret* and *Cock of the Wood*. We could enumerate many other species highly important to the uninformed naturalist; but, we refer our readers for the general detail, to the complete Systematic Arrangement annexed to this Advertisement.

In this Systematic Arrangement we have followed the *Systema Naturæ* of Linnæus, though we totally dissent from the opinion of that celebrated naturalist in his primary divisions of Ornithology. In every system, the Birds which inhabit the land only, are separated from such as frequent the water. This appears to be a natural method of forming two principal divisions of Ornithology; it was adopted by Ray, and approved by Pennant and Latham. In the Linnæan system, those which inhabit the water are separated from the rest; but the Land Birds are divided into two parts, and the Water Birds are placed between them. To avoid confusion we have adhered to this arrangement; but we have also placed an Index, in the manner of Pennant and Latham, at the conclusion of each volume.

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Having endeavoured to explain the nature and extent of this undertaking, we submit the whole to the candour of the Public; and, though not indifferent to the flattering testimony of approbation, it has received in the course of five years publication, we entreat indulgence for whatever may be thought exceptionable, either in the outline of our undertaking, the selection of species, or the manner in which they are illustrated. To our Subscribers, we shall not presume to address any apology, as their opinion must be already decided. The progressive manner in which the work has appeared, has afforded every opportunity for critical examination, for detecting error, or discovering merit; and, we trust, their continued patronage is some criterion of their approbation, and of the general utility of our design.

SYSTEMATIC

SYSTEMATIC ARRANGEMENT
OF
SELECT BRITISH BIRDS.

ORDER I.

ACCIPITRES

Includes the Falcon, Owl, and Shrike or Butcher Bird.

FALCON.

- Falco Ossifragus.* Sea Eagle.
Haliaetus. Osprey.
Apivorus. Honey Buzzard.
Milvus. Kite.
* *Peregrinus.* Peregrine Falcon.
Cyaneus. Hen Harrier.
Tinnunculus. Kestrel.
Subbuteo. Hobby.
* *Æsalon.* Merlin.
-

* Those marked with a star are not described by Linnæus.

CONTENTS.

OWL.

Strix Brachyotos. Short-eared Owl.

Flammea. White Owl.

Stridula. Tawny Owl.

Passerina. Little Owl.

SHRIKE.

Lanius Excubitor. Great cinereous Shrike.

Collurio. Red-backed Shrike.

* *Rufus.* Wood Chat.

ORDER II.

PICÆ

Crow, Roller, Oriole, Cuckow, Wryneck, Woodpecker,
King's-fisher, Nuthatch, Hoopoe, Creeper.

CROW.

Corvus Cornix. Hooded Crow.

Glandarius. Jay.

————— *var. white.*

Pica. Magpie.

Caryocatactes. Nutcracker.

ROLLER.

Coracias Garrula. Garrulous Roller.

ORIOLE.

CONTENTS.

ORIOLE.

Oriolus Galbula. Golden Oriole.

CUCKOW.

Cuculus Canorus. Common Cuckow.

WRYNECK.

Junco Torquilla. Common Wryneck.

WOODPECKER.

Picus Martius. Great Black Woodpecker.

Minor. Lesser spotted Woodpecker.

Viridis. Green Woodpecker.

KING'S-FISHER.

Alcedo Ispida. Common Kingfisher.

NUTHATCH.

Sitta Europæa. European Nuthatch.

HOOPOE.

Upupa Epops. Common Hoopoe.

ORDER III.

ANSERES

Duck, Merganser, Auk, Petrel, Pelican, Diver, Gull
and Tern.

DUCKS.

CONTENTS.

DUCK.

- Anas Egyptica.* Egyptian Goose.
* *Albifrons.* White-fronted Goose.
Tardona. Shieldrake.
Hyemalis. Long-tailed Duck.
Querquedula. Garganey.
Bojchas. Mallard.

MERGANSER.

- Mergus Merganser.* Goosander.
Serrator. Red Breasted Goosander.
Albellus. Smew.
Minutus. Red-headed Smew.

AUK.

- Alca Arctica.* Puffin.
Torda. Razor-billed Auk.

DIVERS.

- Colymbus Troile.* Foolish Guillemot.
Glacialis. Northern Diver.
Immer. Imber Diver.
Septentrionalis. Red-throated Diver.
Cristatus. Crested Grebe.
Auritus. Eared Grebe.
Urinator. Tippet Grebe.
* *Nigricans.* Dusky Grebe.
* *Ruficollis.* Red-necked Grebe.
Minutus. Little Grebe.

GULL.

CONTENTS.

GULL.

Larus Canus. Common Gull.

Hybernus. Winter Gull.

TERN.

Sterna Sanduicensis. Sandwich Tern.

Hirundo. Common Tern.

Minuta. Lesser Tern.

Fusca. Black Tern.

ORDER IV.

GRALLÆ

Heron, Ibis, Snipe, Sandpiper, Plover, Avofet, Oyfter-catcher,
Coot, Rail, Bustard.

HERON.

Ardea Cinerea. Common Heron.

Garzetta. Egret.

Minuta. Little Bittern.

IBIS.

* *Tantalus Igneus.* Glossy Ibis.

SNIPE.

Numenius Phæopus. Wimbrel.

Scolopax Ægocephala. Common Godwit.

Calidris. Redshank.

SAND-

CONTENTS.

SANDPIPER.

- Tringa Pugnax.* Ruff.
Vanellus. Lapwing.
Cinclus. Purre.

PLOVER.

- Charadrius Pluvialis.* Golden Plover.
Himantopus. Long-legged Plover.
Hiaticula. Ringed Plover.
Morinellus. Dottrel.

AVOSET.

- Recurvirostra Avosetta.* Scooping Avoset.

OYSTER-CATCHER.

- Hæmatopus Ostralegus.* Pied Oyfter-catcher.

COOT.

- Fulica Atra.* Common Coot.
Chloropus. Water Hen.

RAIL.

- Rallus Crex.* Land Rail.
Aquaticus. Water Rail.
Porzana. Small spotted Water Hen.

ORDER

CONTENTS.

ORDER V.

GALLINÆ.

Pheasant, Grouse, Peacock.

PHEASANT.

Phasianus Colchicus. Common Pheasant.

GROUSE.

Tetrao Urogallus. Cock of the Wood.

Tetrix. Black Game.

Lagopus. White Game or Ptarmigan.

PEACOCK.

Pavo Cristatus. Common Peacock, (*variety*.)

ORDER VI.

PASSERES.

Pigeon, Lark, Stare, Thrush, Chatterer, Grosbeak, Bunting
Finch, Fly-catcher, Warbler, Wagtail, Titmouse, Swallow,
Goat Sucker.

PIGEON.

Columba Oenas. Stock Pigeon.

LARK.

Alauda Oscura. Dusky Lark.

STARE.

CONTENTS.

STARE.

Sturnus Cinclus. Water Ouzel.

THRUSH.

Turdus Torquatus. Ring Ouzel.

Roseus. Rose-coloured Ouzel.

CHATTERER.

Ampelis Garrulus. Waxen Chatterer.

GROSBEAK.

Loxia Curvirostra. Common Crossbill.

Coccothraustes. Hawfinch.

Enucleator. Pine Grosbeak.

Pyrrhula. Bulfinch.

BUNTING.

Emberiza Frigida. Tawny Bunting.

Citrinella. Yellow Bunting.

Miliaria. Common Bunting.

FINCH.

Fringilla Montana. Tree Sparrow.

Montifringilla. Brambling.

Carduelis. Goldfinch.

Linaria. Lesser Redpole.

FLY-CATCHER.

Muscicapa Atricapilla. Pied Fly-catcher.

WAGTAIL,

CONTENTS.

WAGTAIL, WARBLER.

- Motacilla Alba.* White Wagtail.
Flava. Yellow Wagtail.
Boarula. Grey Wagtail.
Luscinia. Nightingale.
Phœnicurus. Redstart.
Salicaria. Sedge Warbler.
* *Dartfordiensis.* Dartford Warbler.
Rubicola. Stone Chat.
Rubetra. Whin Chat.
Regulus. Gold-crested Wren.
Trochilus. Yellow Wren.
* *Sylviella.* Lesser White Throat.
Rubecula. Redbreast.

TITMOUSE.

- Parus Major.* Great Titmouse.
Ater. Colemouse.
Cæruleus. Blue Titmouse.
Caudatus. Long-tailed Titmouse.
Biarmicus. Bearded Titmouse.
Cristatus. Crested Titmouse.

GOAT SUCKER.

- Caprimulgus Europæus.* European Goat Sucker.

THE
LINNÆAN ARRANGEMENT

OF THE
ORDERS INCLUDED IN THE CLASS

A V E S.

ORDER I.

Accipitres.

RAPACIOUS Birds; having the upper mandible of the beak furnished on each side with an angular process; claws arched, strong.

ORDER II.

Picæ.

Pies; having the beak a little curved, and rather compressed on the sides.

ORDER III.

Anseres.

Web-footed; these have a beak somewhat obtuse, and covered with a thin skin; at the base underneath gibbous, and wide at the end; the *faux*, or edges of the base, denticulated; the feet palmated, or webbed, and formed for swimming.

O R D E R IV.

Grallæ.

Waders. These have the beak subcylindrical, and somewhat obtuse; the tongue entire, and fleshy; the thighs naked for some space above the knees; legs very long.

O R D E R V.

Gallinæ.

Gallinaceous. Birds having the upper mandible convex, or arched, and receiving the edges of the lower nostrils, half covered by means of a convex membrane, rather cartilaginous; the rectrices, or tail-feathers, more than twelve; the feet cloven, but connected by a membrane as far as the first joint.

O R D E R VI.

Passeres.

Passerine. These have a conical acuminate, or pointed, beak; nostrils oval, open, naked.



PLATE I.

PARUS BIARMICUS.

BEARDED TITMOUSE.

PASSERES.

Bill conic, pointed. Nostrils oval, broad, naked.

GENERIC CHARACTER.

Bill short, strong, entire, bristles at the base. Tongue, blunt, with bristles at the end.

SPECIFIC CHARACTER,

AND

SYNONYMS.

Bill short, strong, convex, yellow. Head grey. A black tuft, or beard, beneath each Eye. Plumage red yellow. Tail long. Legs black.

Lin. Syst. Nat. 342. edit. 12—1766.

Scop. ann. 1. N^o 241.

J. L. Frisch. t. 8.

PARUS BARBATUS. La Mefange barbue, ou le Moustache.—

Bris. Orn. III. p. 567. N^o 12.

Buf. Ois. pl. 18. v. p. 418.

Pl. enl. 618. t. 1. 2.

Pendulus. *Kram. el.* p. 373.

Beardmanica, *Albin.* 1. pl. 48.

Lanius Minimus, *Least Butcher Bird.* *Edw.* pl. 55.

Bearded Titmouse. *Br. Zool.* 1. N^o 167.

Arch. Zool.—Br. Mus.—Lev. Mus.

The Great Titmouse, Colemouse, and Marsh Titmouse; with the Blue, Long-tailed, and Bearded, Titmice, are the only species of the tribe which inhabit this country: they are all very frequent excepting the latter; which however is not uncommon in certain situations, though formerly esteemed as rare.

It was described by *Aldrovandus* in his Ornithology published in the years 1610—1613; and appears to be well known at that time in several parts of Europe, though unknown in Britain: more than a century after *Aldrovandus*, (1734), it was included in a History of the Birds of Germany by *J. L. Frisch*; but even at that time, was so rare with us, that it was scarcely ascertained to be a native of Britain; and Albin, who seems to have possessed some knowledge of Birds, determines it as a native, only on the authority of the information he received from others; his History of Birds was published in 1738; therein he gives a figure of the Male Bird, and says in the Descriptions annexed, “These two birds (male and female) I bought of Mr. *Bland* on *Tower-hill*, who told me he had them from *Yutland*: I have been since informed by Sir *Robert Abdy*, that they are found in the *Salt-marshes* in *Essex*, and by others that they are likewise in the fens in *Lincolnshire*.”

He also observes that it receives the name Beardmanica from the black tuft resembling a picked beard.

Edwards* refers it to the tribe of Butcher-birds, under the title of *LANIUS Minimus*, Least Butcher-Bird; but Linnæus, in his *Systema Naturæ*, reduced it to the *PARUS* genus; and late writers have also determined it to the same family.

* G. Edwards's Nat. Hist. of Birds, Vol. 7. 4to. London, 1743, &c.

Its length, from the tip of the bill to the end of the tail, is six inches and a quarter: the bill is thick, and of a bright yellow colour, but fades immediately when the bird dies; in the female it is rather dusky; and the head, which is of a fine grey in the male, is of a brownish rust colour, spotted with black, in the female: indeed, the female is immediately distinguished by the plainness of her plumage, it neither possessing the beautiful purple colour on the breast, or the black tufts on the throat, which characterizes the male: the vent-feathers of the male are pale black; of the female light brown; as are the other parts of the belly.

Pennant, in the British Zoology, says, “ This species is found in the marshes near *London*: we have seen it near *Gloucester*: it is also frequent among the great tracts of reeds near *Cowbit* in *Lincolnshire*, where I suspect they breed.

Latham, in his General Synopsis,—“ These birds are found in England, but have hitherto been observed only in marshy situations where *reeds* grow, on the seeds of which it feeds, as well as small insects; both of which have been found in their stomachs. They are pretty frequent, and in not inconsiderable quantities, in the marshes among the reeds between *Erith* and *London*, and are again met with in such-like places near *Gloucester*, as well as among the great tracts of reeds near *Cowbit*, in *Lincolnshire*. In all these places I make no doubt of their breeding, as I know that they stay in the first-named parts the whole year. The nest is not known for certain; but I have seen one, which was composed of very soft downy materials, suspended between three reeds drawn together, thought to be the work of that bird.”

“ They are also common in *Denmark*; and *Buffon* supposes that a pair of these, having escaped from the cage of the *Countess* of *Abbe-marle*,

marle, have founded this colony in England. This may have been the case in respect to those of *Erith*, being on the borders of the *Thames*, but will not so well account for their being elsewhere; and I am inclined to think that they are indigenous to us, and have been so *ab origine*; and that it is merely owing to their frequenting such places only where the *reeds* grow, that they have been so little known; for as those birds never go farther than a few yards from the *beds* *, they have stood a greater chance, which has really happened, of not being earlier observed."

Kramer says the nest is built among the *willows*, and is of the shape of a purse, made of soft downy materials, such as the down of the *Greater Cat's-Tail* †, or that of the *Ash* ‡, hanging the nest on a branch.

What new light Mr. Latham could throw on this subject, is given in the *Supplement* published in the year 1787.

" I have never yet been able myself to ascertain the nest and eggs. In *Sepp's* || plate the nest is placed on the ground among the *sedges*. It is of a very loose texture, composed of the tops of dry grass, mixed with the seed-heads of *rushes* and *reeds*, with narrow leaves intermixed. The eggs four in number, of a reddish white, marked with small brown spots."

* " The *reed-beds* frequently cover many acres of ground; these grow in the water, so as to be overflowed at every tide; and few persons ever go near them, except in the time of cutting, which they do in boats, as, except at very low tides, one can scarce set a footstep within their boundaries."

† *Typha latifolia*. Lin. ‡ *Populus tremula*. Lin. || *Sepp*.
Veg. pl. in p. 83.

" This

“ This species is found in *Schonen*, in Sweden; but rarely. Is very common about the *Caspian Sea* and *Palus Mæotis*, and among the rushes of the rivers which fall into them; but in no high latitudes in *Asia*. None in *Siberia* *.”

The male shews much tenderness and care for its young, and its mate partakes also of its affection: it is said to be ever constant in its attachments; and at night, when at roost, the male protects the female, under the concave of his wing.

* *Arct. Zool.*





P L A T E II.

CORVUS GLANDARIUS.

J A Y.

P I C Æ.

Bill compressed, convex, or a little curved.

GENERIC CHARACTER.

Bill strong, conic, with bristles at its base reflected downwards.
Tongue bifid.

SPECIFIC CHARACTER,

AND

SYNONYMS.

Head covered with long feathers. Forehead white with black strokes. From the angles of the mouth a broad streak of black under each eye. The head, sides, neck, breast, back and scapulars, vinaceous buff-colour. Coverts of the wings fine blue, barred with black. Rump white. Tail black-brown.

CORVUS glandarius. *Lin. Syst.* 1. p. 156. N^o 7.

Scop. ann. 1. p. 36. N^o 39.

Mull. p. 12.

PICA glandaria. *Gesn. av.* 700.

Jay. *Aldr. Ornith.* l. 12. e. 14.

Will. Orn. p. 130. pl. 19.

Raii. av. 41. A. 2.

Alb. av. 1. p. 16. t. 16.

Le Geay, *Garrulus*. *Brif. Orn.* ii. p. 47. N^o 1.

Buf. ois. III. p. 107. pl. 8.—*Pl. enl.* 481.

Renel. 481.

Holtz-schreyer (Wood Cryer), Eichen-heher (Oak Jay), Nus-heher, *Frisch.* t. 55.

Nus-heher, *Kramer El.* p. 335.

Ghiandaia, *Zinan.* 67.

Skoia, Schoga. *Scopoli*, N^o 39.

Screch y Coed. (*Antient Britifh.*) *Brit. Zool.*

The Jay, though very frequent in every part of the country, evidently deserves, for the singular beauty of its plumage, the first place in a collection of interesting British Birds: it is a species, however, not merely confined to this kingdom; but generally diffused over the greater part of the continent of Europe.

Among the foreign birds which are referred to this genus, are several species eminently distinguished for their rich and elegant colouring; but the European Jay is certainly superior in this particular to many exotics of the same family.

Its habits are known, in a great degree, to resemble those of the Magpie, which also belongs to the same genus. It will devour with avidity cherries, gooseberries, raspberries, or other fruits; but in autumn and winter it feeds on acorns; whence it long since derived the name *PICA Glandaria*. It is not destitute of a carnivorous appetite, as it frequently combats, and devours, small birds: it also feeds on worms and insects.

Ablin,

Ablin, in Plate 16. Vol. I. very accurately describes the Jay he took his figure from, which nearly corresponds with our specimen.

“ Its length, from the point of the bill to the end of the tail, was fourteen inches; its breadth, when the wings were extended, twenty-one inches and an half; its weight seven ounces; the bill dark ash colour inclining to black, strong, near an inch and an half long; the tongue black, thin, pellucid, and cloven at the tip; the irides of the eyes white. Near on the lower chap of the bill are two black spots, on each side one. The chin and lower part of the belly whitish, else the breast and belly are of a mixt cinereous and red; the rump above is white, the back red, with a mixture of blue; the feathers on the crown of the head variegated with black and white.

“ The fails of the wings are in number twenty, of which the first is shorter by half than the second, the fourth the longest (being by measure six inches and a quarter); the first or outermost is black, the bottom or lower part white, which is proper to it alone; the six next following have their exterior vanes of an ash colour, the three next likewise, but more obscure, and mingled with blue, being also marked toward their bottom with transverse black and white strokes; the five succeeding have their exterior vanes half white, half black, viz. the lower half white, the upper black, but so that each extremity of the white is terminated with blue; the sixteenth, in place of the white of the four precedent, hath transverse blue, black, and white spots; the seventeenth is black, having one or two blue spots; the eighteenth is black with some little red; the nineteenth red with the tip black; the under sides of all the feathers of the wing are of a dark or dusky colour; the covert-feathers of the fifteen exterior fails are very beautiful, being variegated or chequered with black, white, and lovely shining blue lines, the rest of the covert-feathers being black.

“ The

“ The tail is fix inches and a quarter long, confifting of twelve feathers, wholly black except toward their roots: under the rump there is fomething of a blue mingled with cinereous.

“ The feet and toes are of a ferruginous dusky colour, the middle toe is the longeſt; the outmoſt is equal to the back toe; the lower joint of the outmoſt toe is joined to the middlemoſt; the back claw is the greateſt.

“ The guts are twenty-four inches long; the blind guts but half an inch; it hath a gall and a long ſpleen: the ſtomach or gizzard not very fleſhy, and having its echinus, wherein were found acorns, &c.”

He adds, “ The female differs little or nothing from the male, either in bigneſs or colour, ſo that it is very difficult to know them aſunder:” but after the publication of his firſt Volume of Birds, he rectifies this error, in a ſupplement which is prefixed to the work. “ The following obſervations,” (ſays he) “ I received from Dr. Derham, after the deſcriptions were printed. He hath obſerved the Cock Jay (Plate 16. Vol. I.) to be ſomewhat bigger than the Hen, the feathers on the head to be blacker, the ſtripes longer, and the black and blue colours more elegant in the Cock than in the Hen.”

Jays generally build in woods, preferring a ſituation near the ſkirts: the neſt is compoſed of fibrous roots, and young twigs, erected on a baſe of ſeveral large ſticks, and is placed on the top of a thorn-buſh, or other under-wood, or between the firſt branches of low decayed trees: the female lays five or ſix eggs, of the ſize of a pigeon's, of a cinereous olive colour, marked with very pale brown ſpots: the young Jays remain with their parents till the next ſpring; and at the pairing time they each chooſe his mate, to propagate their future progeny.

It is a restless and very quarrelsome bird: makes a harsh, chattering and screaming noise; and is ever at variance not only with its own species, but with every other inhabitant of the forest: when deprived of liberty, it may be taught to imitate the human voice; but the original appearance of its plumage is so altered by confinement, as scarcely to retain any of the beautiful colours, which are so eminently conspicuous in the wild state.

It is a native of *Denmark*, and of *Russia*; of *Scotland*, and of *England*; but does not frequent the islands adjacent.

Latham says, "The Jay, I believe, is not spread so far as many others of the genus, as we do not hear of its inhabiting further south than *Italy* and *Greece*.

"This species is common in the woods both of *Russia* and *Siberia*, but none beyond the *Lena* *; *Georgi* mentions it as frequenting the *Lake Baikal*, and *Russel* records it as an *Aleppo* species †. I have a suspicion also that it extends to *China*, as it is to be seen in the drawings of birds from that country.

"It is called by the name of *Jay*, about *Arragon* in Spain, as in *England*. In the last it is not esteemed as food; but in the first it is exposed to sale along with other birds ‡." It is also eaten in *Sweden* ||. *Supp. Gen. Syn. p. 79. N° 19.*

* *Arch. Zool.*

† *Hist. Alepp. p. 69.*

‡ *Faun. Arag.*

|| *Mr. Swederus.*

LE GEAY BLANC.

WHITE JAY.

Brif. orn. II. p. 51. A.

Latham describes this Jay, as only a variety of the common sort, and says he had one which was taken in a nest with four other Jays of the usual colour; the specimen he mentions, is at present in my collection; it is less than the common size, is wholly white, inclining to a cream colour in the shades; the legs and bill are white also: the irides red.



PLATE III.

TURDUS ROSEUS,

ROSE-COLOURED THRUSH

OR OUZEL.

PASSERES.

Bill conic, pointed. Nostrils oval, broad, naked;

GENERIC CHARACTER.

Bill strait, subulate, and somewhat angular.

SPECIFIC CHARACTER,

AND

SYNONYMS.

Bill at the base reddish, at the point black. A long pendent Crest. Head, Crest, Neck, Wings, and Tail, black, tinged with green-purple. Breast, Belly, and Back, pale rose-colour with dark spots; Legs dirty orange.

Lin. Syst. i. p. 294. N^o 15.

Faun. Suec. 219.

Nov. Com. Ac. Petrop. XV. p. 478. t. 23. f. 1.

STURNUS Roseus, *Scop. ann.* i. p. 130. N^o 191.

TURDUS Seleucis, *Faun. Arab.* p. 6. a.—p. 5. N^o 16.

Le Merle couleur de Rose. *Brif. orn.* ii. p. 250. N^o 20.

Buf. Oif. iii. p. 348. t. pl. 22.—pl. enl. 251.

MERULA Rosea, *Raii. Syn.* p. 67. 9.

Aldr. av. II. 283.

Rose, or Carnation-coloured Ouzel. *Will. orn.* p. 194.

Edw. pl. 20.

Br. Zool. App. N^o 5. pl. 5.

Ar. Zool.—Lev. Mus.

P L A T E III.

This species is very rare in every part of Europe ; and especially in this country : we have a figure of it in the British Zoology ; but unfortunately, notwithstanding Mr. *Pennant's* very laudable intentions, he had no opportunity of consulting the original specimen ; he depended on a drawing done by his friend Mr. *G. Edwards* ; and the copy is only a distant imitation of the bird ; it is defective about the body, and exceedingly incorrect as to the circumference of the neck ; the account says, “ Mr. *Edwards* discovered this beautiful bird twice in our island, near *London*, at *Norwood*, and another time in *Norfolk* ; ” the figure of this was copied by permission from his beautiful and accurate design, which we gratefully acknowledge, as well as every other assistance from our worthy friend ; whose pencil has done so much honour to his country.

This bird is the size of a starling ; eight inches in length : bill three quarters of an inch, of a flesh-colour, with the base reddish : irides pale : the feathers on the head long, they form a crest which impends on the neck : the head, neck, wings, and tail, are black ; the two latter are strongly glossed with green ; and in some parts with an inclination to blue and purple : the back, rump, breast, belly, and lesser wing coverts, pale rose colour, with a few irregular dark spots : legs pale red, or orange.

Russell in his History of Aleppo, calls our *rose* a *flesh-colour* ; and in the Petersburg Transactions the name given to it is *sanguineous* ; we may then conclude that the bird varies much in its rose, or pink colour ; the female also is paler than the male.

Mr. Latham has added a farther proof of its being found in this country, one was shot at *Grantham*, in *Lincolnshire*, and is now in the possession of Sir Joseph Banks, Bart. ; and he says that he is assured of one, or more, being shot almost every season about *Ormskirk* in *Lancashire*.

PLATE III.

It is more frequent in *France*; and is met with in *Burgundy*, in its passage to other parts: *Aldrovandus* mentions it as not uncommon in *Italy*, where it is called the sea flare, and says its usual haunts are among heaps of dung*: it is also found in *Switzerland* and *Lapland*, but it never passes the limits of that frozen region†.

In some parts of *Asia* it is common: "It comes in great numbers about *Aleppo*, in *July* and *August*, in pursuit of the swarms of *locusts*‡; whence it is held sacred by the *Turks*, as great quantities are destroyed by this means: it is also seen in vast flocks, every year in the south of *Russia*; about the river *Don*; and in *Siberia*, about the *Irtisch*; finding abundance of *locusts* for food, and convenience for breeding between the rocks: it is also common on the borders of the *Caspian Sea*; about *Astrachan*; and from thence all along the *Volga*." *Latham Gen. Syn.* 3. 50. 52.

It extends to *India*; Sir *Joseph Banks*, has one in his collection, which was received from *Bombay*.

* *Aldr. Av.* II. 283.

† *Linnaeus*.—*Mr. Ekmarck*.

‡ Hence called the locust bird. *Russell. Hist. Alep.*



PLATE IV.

MOTACILLA REGULUS.

GOLDEN-CRESTED WREN.

PASSERES.

Bill conic, pointed. Nostrils oval, broad, naked.

GENERIC CHARACTER.

Bill strait, slender. Tongue jagged,

SPECIFIC CHARACTER.

AND

SYNONYMS.

Crown of the head bright yellow, with a longitudinal black margin on each side, which passes immediately above the eyes. Back greenish. Breast white with a dirty green tinge. Legs yellow-brown.

MOTACILLA REGULUS Linn. *Syst.* I. p. 338. N^o 48.

Muller, p. 33, N^o 280.

Georgi Reise, p. 175.

Frish. t. 24.

GOLDEN-CROWNED WREN Raii. *Syn.* p. 79. A. 9;

Will. Orn. p. 227. pl. 42.

Albin. I. pl. 53. A.

Edw. pl. 254. I.

Catesb. Car. App. 36. 37.

Br. Zool. I. N^o 153.

Arch. Zool.—Br. Mus.—Lev. Mus.

Latham. Gen. Syn. IV. 508.

P L A T E IV.

- Le Poul, ou Souci, ou Roitelet hupé, *Calendula, Brisson, av. III.*
p. 579. N° 17. Pl. enl. 651. fig. 3.
 Le Roitelet. *Buff. ois. V. p. 363. pl. 16. f. 2.*
 Fior rancio. *Olin. pl. in p. 6.*
 La Soulcie. *Belon av. 345.*
 Kongs fogel. *Faun. Suec. sp. 262.*
 Kratlich. *Scopoli, N° 240.*
 Sommer Zaunkoenig (Summer Wren.) *Frisch, 1. 24.*
 Goldhannel. *Kram. 378.*
 Fugle-Konge. *Brun. 285.*
-

The golden crested Wren is the smallest bird yet discovered, in either of the British isles; is common to *France, Austria, Italy*, and most other parts of Europe; and in those countries, as with us, it appears to be the least native species.

But discoveries in the interior parts of *South America*, have verified, that it is not the least kind existing; in that country where the Condor is found, the most diminutive species of the feathered tribe are also taken; and to those the least European bird bears a gigantic disproportion; for instance, the length of the golden-crested Wren is three inches and an half, its weight seventy-six grains: but the total length of the least South-American Humming bird* is not more than an inch and a quarter, and its weight when fresh killed twenty grains †; the female is yet smaller ‡.

* *Trochilus minimus Lin. Syst. 1. p. 193. N° 22.*

† Sir Hans Sloane. *Jam. ii. p. 307.*

‡ Brown. *Jam. p. 475.*

PLATE IV.

The appellations *Regulus*, and *Tyrannus*, Little King, or Tyrant, have been given to the golden-crested Wren by some authors: it has ability to conceal the orange band on the head; by corrugating the forehead, and drawing together the feathers, which form the black longitudinal band on each side.

The colour of the plumage of the female is paler, than of the male; the crest or feathers on the crown of the head are yellow, but without the bright orange colour, which softens into the crest of the male.

It remains with us through the winter*; frequents woods; and builds its nest, either in oak, fir, or yew trees, the nest is of a roundish form, with an opening on one side; it is composed of *moss*; and lined within with some downy substance, (perhaps cobwebs,) intermixed with small filaments.

It lays six or seven eggs, which are no bigger than large peas†.

Although the species is found in Europe, it is scattered throughout the other three quarters of the globe, with only some little variations which mark the influence of climate; Latham mentions a specimen received from *Cayenne* with black legs.

It is a native of *Russia*‡, *Sweden*, and *Norway*; and is found as far north as the *Shetland* isles; but disappears before winter; it bears cold extremely well, and therefore it may be rather the scarcity of insects, on which it feeds; than merely the approaching season, which induces it to take such vast flights.

* *Latham*. IV. 509. 145.

† *Albin Orn.* 1. 51. 53.

‡ *Georgi*.

PLATE IV.

It is also found in the northern parts of *America*, Pennsylvania *, and New-York †.

“ We have observed this bird suspended in the air for a considerable time over a bush in flower, whilst it sung very melodiously. The note does not much differ from that of the common Wren, but is very weak.” *Brit. Zool.* 379. 153.

* *Edwards.*

† *Colonel Davies.*



PLATE V.

MOTACILLA ALBA.

WHITE WAGTAIL.

PASSERES.

Bill conic, pointed. Nostrils oval, broad, naked.

GENERIC CHARACTER.

Bill strait, slender. Tongue jagged.

SPECIFIC CHARACTER.

AND

SYNONYMS.

Bill dark brown. Head, Tail, and Legs, black. Breast, Belly, and sides of the Tail, white. Upper parts of the Body, and Wing coverts cinereous, Tail and back claw long.

MOTACILLA ALBA. *Linn. Syst.* i. p. 331. N° 2.

Gesner, av. 618.

Sepp. Vog. pl. in p. 119.—*Faun. Arag.* p. 88.

Lath. Gen. Syn. IV. p. 395. N° 1.—*Arch. Zool.* ii. p. 396. E.

WHITE WATER-WAGTAIL, *Raii. Syn.* 75. *A. I.—Albin.* I.

pl. 49. *Will. Orn.* p. 237.—*Brit. Zool.* i.

N° 142. *pl.* 55. *Br. Mus.—Lev. Mus.*

La Lavandiere, *Brif. Orn.* iii. 461. N° 38.

Buff. Ois. v. p. 251. *pl.* 14. *f.* 1.—*pl. enl.* 625. *f.* 1.—

Variety. *f.* 2.

Ballarina, *Cutrettola. Olina,* 43.

Monachina. *Zinan.* 51.

Pliska, *Pastaritra. Scopoli,* N° 224.

Arla. *Sadesarla. Faun. Suec. sp.* 252.

Danis Vip-Stiert, Havre Sæer.

Norvegis Erle, Lin-Erle.

Weiss und schwarzte Bachsteltze. *Frisch.* i. 23.

Graue Bachstelze. *Kram* 374.

PLATE V.

This bird is very frequent in England, and is spread throughout the whole of the old Continent; *Latham* says he has more than once met with a representation of it in *Chinese* drawings: it extends as far as *Iceland*, the *Feroe Isles*, and *Drontheim*; it is common in *Russia*, *Siberia*, and *Kamptschatka*; but is not found in the more northern regions.

It also inhabits *India*, a drawing which was done on the spot being in the collection of Lady Impey*.

It frequents the sides of pools and small rivulets; and feeds on insects: it is often seen running on the ground with much celerity, or leaping up after flies: the tail is frequently in motion. Birds of this genus seldom perch; fly in an undulating manner, and have a twittering noise in flight.

Willughby observes, that this species shifts its quarters in the winter; moving from the north to the south of England during that season.

Latham suspects that part of them migrate, as he does not recollect seeing so many in winter, as in the summer season, and says, in *Scotland*, and in the north of England, it is scarce ever seen in hard weather.

This, and others of this class, are called, both by the French and English, *Wasber-Women*, or *Disb-Washers*.

It is particularly serviceable to the farmer in Spring and Autumn, by attending the plough to devour the larvæ of insects, worms, &c. which are turned up; hence it is the interest of the farmer to discourage any attempt to destroy those birds, and to this circumstance they may owe much for their preservation.

* *Latham Supp. Gen. Syn.* 178.

PLATE V.

The marks and colours vary very considerably in different specimens. Some have only a crescent of black on the breast, the chin and throat being quite white, in others all the white parts are strongly tinged with yellow; in some the chin, fore part of the neck, and breast, are black; and in the *Leverian Museum* is a fine variety; white, except the hind parts, which are yellowish.

In the *females*, the top of the head generally inclines to brown. The usual length of this species is seven inches from the bill to the extremity of the tail.

The nest is built on the ground, is composed of dry grass, fine fibres, and moss; lined with hair, feathers, or soft dry grass; the eggs are five in number; white, spotted with brown: for the most part they have only one brood in a year.





PLATE VI.

PODICEPS RUFICOLLIS.

RED-NECKED GREBE.

ANSERES.

Bill obtuse, covered with a thin membrane, broad, gibbous below the base, swelled at the apex. Tongue fleshy. Legs naked. Feet webbed, or finned.

GENERIC CHARACTER.

Bill straight, slender, pointed. Nostrils linear at the base of the Bill. Legs placed near the tail. Feet flat, thin, and serrated behind with a double row of notches.

SPECIFIC CHARACTER,

AND

SYNONYMS.

Bill black, with the base of each mandible fine yellow. Irides bright orange-yellow. Crown, and sides of the Head above the Eyes black-brown; with the feathers a little elongated. The hind part of the Neck, Back, and Wings, dark brown; six of the middle secondaries white, a little mottled with dusky at the tips: the two or three next outward, are more or less white near the tips and inner webs. The Chin, sides under the Eyes, and fore part of the Neck, for above an inch, pale ash-colour; the rest of the Neck ferruginous chestnut, mottled on the Breast with dusky; thence to the Vent, white, like fattin, mottled on the sides with dusky irregular spots. Legs black.

COLYMBUS SUBCRISTATUS, *Jacq. Vog. p. 37. pl. 18.*

COLYMBUS PAROTIS, *Sparrm. Mus. Carls. pl. 9.*

PODICEPS RUFICOLLIS. *Lath. Gen. Syn. 5. 288-7.—Supp. 260. 7.*

RED-NECKED GREBE. *Lath.—Arct. Zool. p. 499. C.*

Le Grebe à joues grises, ou le Jougris, *Buf. Ois. viii. p. 241. Pl.*

Enl. 931.

Supposed

P L A T E VI.

Supposed to inhabit some parts of *Denmark* and *Norway*; has been discovered, though very rarely, near the *Caspian Sea*; and was once received by *Mr. Pennant*, from *Copenhagen*.

It is probably a scarce bird in every part; in this country it has been only discovered by a few individuals, and that very lately; we believe the most perfect yet taken, to be that specimen of which *Mr. Latham* has given a figure in the supplement to his *General Synopsis*; our figure is also copied from the same bird.

It is on the authority of this author, that we include it as a British bird; in his description he says, "I received a perfect specimen of the *Male* of this bird from *Major Hammond*, who informed me, that the end of April, the year 1786, two of them alighted in a farm-yard, near his house, in *East Kent*, and were taken alive."

"I have also met with two other specimens; the first sent to me January 28, 1786, by *Mr. Martin*, of *Teignmouth*, a gentleman to whom I owe many other obligations: his specimen had not come to perfection, as the colours on the head and neck were much blended, and the ferruginous on the neck only just breaking forth. *Mr. Boys*, of *Sandwich*, also obliged me with a third, the beginning of last *October*, (1787): his bird, he informed me, weighed nineteen ounces and a half; the length twenty-one inches and a half; breadth eight. The bill yellow at the base, dusky olive towards the tip: lore dusky: irides pale brown: head quite smooth. The description differed not much; but the ferruginous colour of the neck was much blended with dusky; the white on the under parts greatly mottled with the same: Legs dusky; within, greenish yellow. The middle toe united to the
inner

P L A T E VI.

inner as far as the first joint; and to the outer, to the middle of the second *."

"The two last mentioned are, no doubt, birds not in full plumage. That described by *Dr. Sparrman* is clearly under the same predicament; perhaps a still younger bird than either of the others, as the cinereous parts on the throat appear white, with three or four lines of black, and across the lower part of the neck is a band of white. The bird figured in *Jacquin* seems an adult."

That mentioned by *Buffon* was seventeen inches in length; had the breast mottled with ferruginous; and a white spot on the quills.

* This species was unknown to Linnæus, but according to his definition, evidently belongs to the genus *COLYMBUS*: *Latham* observes, that Linnæus has erroneously included the *Grebes*, *Divers*, and *Guillemots* into that genus without even a division, though they very materially differ from one another; especially in the legs: those of the *Grebes* are not webbed; the *Guillemots*, though web-footed, have only three toes, all placed forwards; and the *Divers* have three toes before, and one behind.

He therefore thinks that they should be separated; and as the form of the feet of this species appears to prevail throughout the genus, recommends its being included with the other parts of its essential character; he has named his new genus *PODICEPS*.

Pennant has also submitted to a division of the Linnæan genus. "The *Grebes* and *Divers* are placed in the same genus, *i. e.* of *Colymbi*, by *Mr. Ray* and *Linnæus*; but the difference of the feet forbade our judicious friend, *M. Briffon* †, from continuing them together; whose example we have followed." *Brit. Zool.* 2.496.

† See *Brif. Orn.* vol. vi. p. 33. 70. 104.

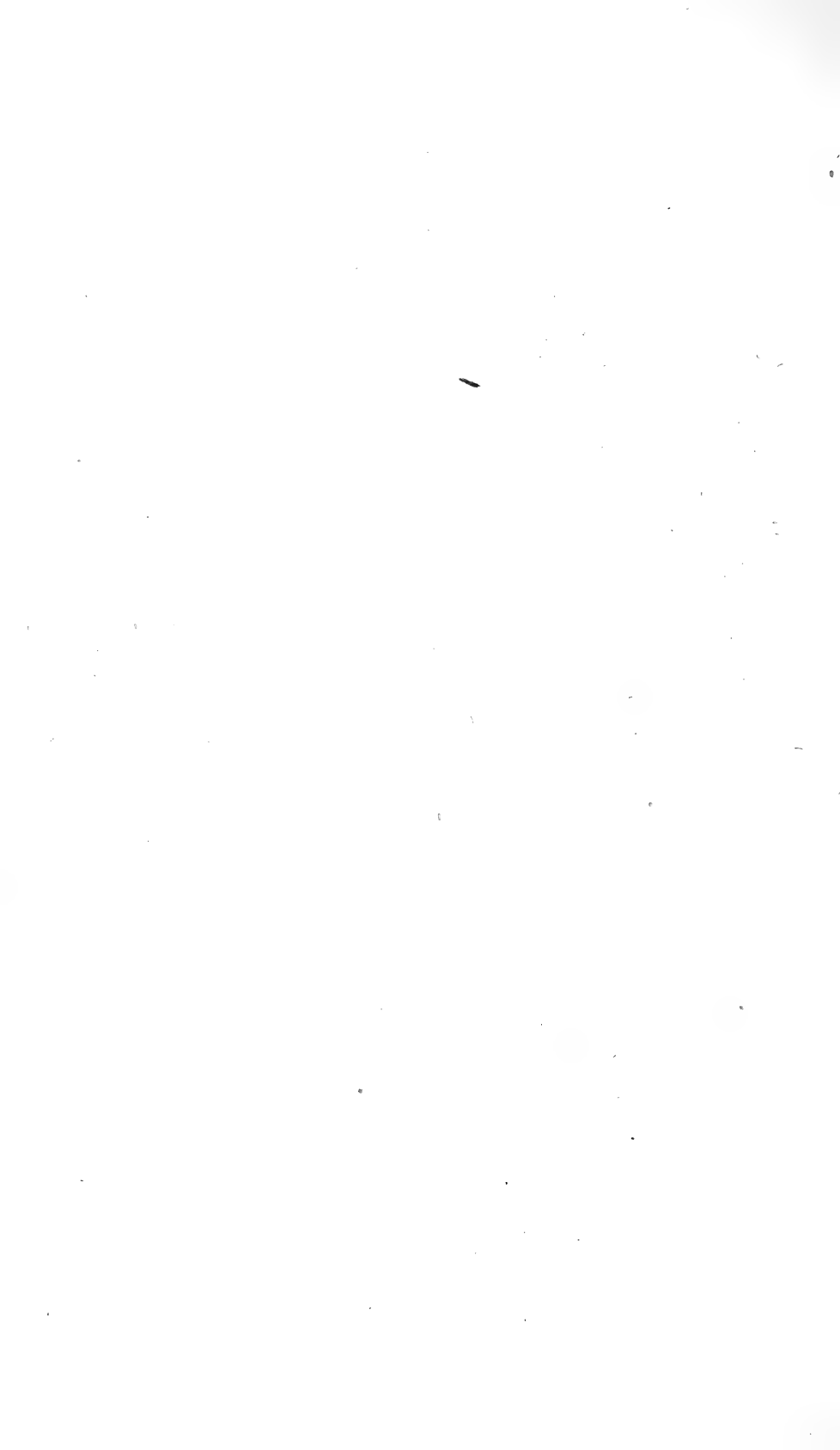




PLATE VII.

ORIOLOUS GALBULA.

GOLDEN ORIOLE.

PICÆ.

Bill compressed, convex.

GENERIC CHARACTER.

Bill strait, conic, sharp pointed; edges cultrated, inclining inwards; mandibles of equal length. Nostrils small; at the base of the bill, and partly covered. Tongue divided at the end. Toes three forward, one backward; the middle joined near the base to the outmost one.

SPECIFIC CHARACTER,

AND

SYNONYMS.

Bill brownish-red. Irides red. General colour of the plumage fine golden yellow; between the bill and eye a streak of black. Wings black, with a patch of yellow on the middle. Tail yellow except the two middle feathers; all the rest black, from the base to the middle black, and thence to their tips yellow. Legs black inclining to a lead colour: claws black.

ORIOLOUS GALBULA. *Linn. Syst.* i. p. 160. N° 1.

Faun. Suec. N° 95.

Georgi Reise. p. 165.

Sepp. Vog. pl. in. p. 19.

Lath. Gen. Syn. ii. 449. 43.—*Suppl.* 89.

Pennant Brit. Zool. ii. 626. 4.

CORACIAS ORIOLOUS. *Scop. Ann.* i. p. 41. N° 45.—*Faun. arab.* p. 7.

ORIOLOUS. *Gesner. av.* 713.—*Aldr. av.* i. 418.

P L A T E VII.

GOLDEN ORIOLE. *Latham.*—*Pennant.*—*Brit. Mus.*—*Lev. Mus.*

GOLDEN THRUSH. *Edw. pl.* 185.

YELLOW BIRD from Bengal. *Albin iii. pl.* 19.

WITWALL. *Will. orn. p.* 198.

Le Lorient. *Brif. orn. ii. p.* 320. N^o 58.

Buf. Oif. iii. p. 254. *pl.* 17.—*Pl. enl.* 26. the male.

Widewal, Pyrold, *Frisch. pl.* 31. the male and female.—*Kram. el. p.* 360.

Galbula, feu Picus nidum suspendens, *Raii. Syn. p.* 68. N^o 5.

Size of a Blackbird. The body of the female is of a dull greenish colour; the wings are dusky inclining to green also; and the tail is nearly of the same obscure colour, except the two middle feathers which are of a pale yellow.

But the male is evidently one of the most beautiful birds that has ever been discovered in this island: the whole of the body which is a dull green in the female, is a lovely golden yellow, inclining to an orange colour in the male; the wings are black and form a most striking contrast; and the black stripe from the beak to the eye is no inconsiderable addition to its beauty.

It is rarely met with in England: PENNANT observes in the *British Zoology* *, that he only knew one instance of its being shot in *Great Britain*, and that in *South Wales*: Latham says “it is now and then met with in England †;” and adds, in his Supplement, “Since the publication of my *Synopsis* ‡, this bird has been twice shot in England. One of the specimens is now in my collection.”

* 1776.

† List of the Birds of Great Britain. *Supp.*

‡ 1782.

P L A T E VII.

It* is common in several parts of Europe, but supposed to be most frequent in *France*, where it spends the summer, and propagates its species. It is scarcely ever seen so far north as *Sweden*; and consequently is rare in *England*; is mentioned as a bird of *Russia*, though perhaps it only inhabits the warmer parts; comes twice in a year into *Switzerland*, and is found also in *Carniola*; observed in *Malta* in *September* on its passage southward, and returns in spring to the north through the same track; comes into *Constantinople* in *spring*, and leaves it in *September*, but stays in *Alexandria* till the beginning of *November*, when it takes its leave; from this we must suppose that it winters in *Africa* and *Asia*, especially as this very bird has been brought from *China* and *Bengal* †, as well as the *Cape of Good Hope*.

A variety of this species, with the head and throat of a full black colour, is common in *India*, where it is called the *Mango-bird*, as it appears first at the ripening of that fruit, and is at that season in great plenty ‡.

“ The nest is of a curious construction, but perhaps not quite so as some of the *Orioles*, though built after the same fashion. It is of the shape of a purse, fastened to the extreme divarications of the outmost twigs of tall trees, and composed of fibres of hemp or straw, mixed with fine dry stalks of grass lined within with moss and liverwort. The *female* lays four or five eggs, of a dirty white, marked with small dark-brown spots, which are thickest about the largest end: she sits three weeks, and is observed to be very tender of her young,

* Latham. *Gen. Syn.*

† This bird must have been very little known in England at the time Albin published his *History of Birds* (1740) for he says in the description annexed to his figure “ a drawing from the life of this curious bird was brought from *Bengal* to Mr. Dandridge, who was pleased to let me have a drawing from it.”

‡ *Lady Impey.*

P L A T E VII.

fearing nothing for their defence; not unfrequently will suffer herself to be taken with the eggs and nest, and continue to sit upon them till she dies."

"The food which this bird is most fond of is *grapes* and *figs*, in the season, also *cherries*, &c. but at other times is contented with insects, and what else it can get."

"It has a loud cry that may be heard far off; but I do not hear it remarked by any one for the least song, though *Gesner* says it whistles before rain." *Latham, Gen. Syn.*

"Its note is loud and resembles its name." *Brit. Zool.*

Willughby saw those birds exposed for sale in the poulterers shops in Naples, where the flesh is esteemed as delicate food.

It is suspected that the *yellow* and *buff Jay** of Ray are the male and female of the Golden Oriole.

* *Raii Syn. av. p. 194. N° 7, 8.*



PLATE VIII.

ALCA ARCTICA.

PUFFIN AUK.

ANSERES.

Bill obtuse; covered with a thin membrane, broad, gibbous below the base. Swelled at the apex. Tongue fleshy. Legs naked. Feet webbed, or finned.

GENERIC CHARACTER.

Bill strong, thick, convex, compressed on the sides. Nostrils linear, placed parallel to the edge of the bill. Tongue almost as long as the bill. Toes three in number, all placed forward.

SPECIFIC CHARACTER.

Bill compressed, triangular, sharp-pointed, red, base grey, furrows four, oblique. Nostrils long and narrow. Eyelids callous; edges crimson; on the upper eyelid is a protuberance of a triangular form which projects over the eye. Irides grey. Above black. Cheeks, chin, belly, white. Collar black. Legs orange and near the tail.

ALCA ARCTICA. *Linn. Syst.* I. p. 211. 4.

Faun. Suec. N° 141.

Brun. N° 103.

Muller. N° 140.

Frisch, t. 192.

Latham. *Gen. Syn.* 5. 314. 3.

PUPHINUS ANGLICUS. *Gesner av.* 725.

PICA MARINA. *Aldr. av.* III. 92.

ANAS ARCTICA. *Clusii Exot.* 104.

PUFFIN,

P L A T E VIII.

- PUFFIN, COULTERNEE. *Raii. Syn.* p. 120. *A.* 5.—*Will. Orn.*
P. 325. *pl.* 65.—*Hist. Groenl.* ii. *pl.* 1.—*Albin.* ii.
pl. 78, 79.—*Edw.* *pl.* 358. *fig.* 1.—*Brit. Zool.* 11.
Nº 232.—*Art. Zool.* *Nº* 427.—*Tour in Wales,*
pl. 20. *Brit. Mus.*—*Lev. Mus.*
- Fratercula, le Macareux. *Briff. av.* VI. 81. Tab. 6. *fig.* 2.
Buf. Ois. IX. p. 358. *pl.* 26.—*Pl. Enl.* 275.
- Ipatka, *Hist. Kamts.* p. 153.
- See Papagey, or See Taucher. *Frisch.* II. 192.
-

Length from the point of the bill to the end of the feet twelve inches; breadth twenty-one. Weight twelve ounces. The bill is an inch and a quarter long, and of a very singular shape, much compressed on the sides, and near an inch and an half deep at the base; from whence both mandibles tend to a point, which is a little curved; across the upper are four oblique furrows; on the under three: half next the point is red; that next the base blue grey; and at the base is a *cere* full of minute holes: the nostrils are a long and narrow slit on each side, near the edge of the upper mandible, and parallel to it: the top of the head, the neck, and upper parts of the body black; beneath white: legs orange.

The bill, which gives such an appearance of novelty to this bird, varies considerably according to its age; in the first year it is small, weak, destitute of any furrow, and dusky; in the second year it is larger, stronger, of a paler colour, and discovers a faint vestige of a furrow near the base; but those of the third or more advanced years, have a bill of great strength and vivid colours as before described. Those birds are supposed to be imperfect until the third year; or at least not

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to breed before that period: not a single one has ever been discovered at *Priestholm* which had not the bill of an uniform size*.

The *male* very nearly resembles the *female*: in the former the white cheeks are sometimes obscured with a mixture of dark feathers, and in others a patch of the same colour has been observed on each side of the under jaw.

This species is very common in several parts on the coasts of *England*; they are seen in flocks innumerable at *Priestholm Isle* off the coast of *Anglesea*; in great numbers about the *Needles*, in the *Isles of Wight, Man, Bardsey, Caldey, Farn, Godrewe*, and other small, and desert islands near the shore. A few about the rocks of *Dover*.

They are frequent in *Ireland*; on the island of *Sherries*, three leagues N.N.W. of *Holyhead*; and in the *S. Stack*, near *Holyhead* they breed in abundance. Inhabit *Iceland* and *Greenland*, and breed in the extreme part of the islands, especially on the west part of *Disco*, and the island *Orpitfauk* †.

In the different parts it frequents, it has received a variety of appellations, but generally expressive of the singular shape of the beak; as *Coulter-nib* in the *Farn isles*; *Guldenhead*, *Bottle-nose*, and *Helegug* in *Wales*; at *Scarborough*, *Mullet*; at *Cornwall*, *Pope* ‡, and in the *Ferroe isles*, *Lunda*.

To what part those birds emigrate on the approach of winter is very imperfectly known; it is probable when they retire from those northern regions, their flight is directed to some more temperate climate; perhaps they live at sea, and form those multitudes of birds that navigators

* See *Tour in Wales*, p. 252; and figures of the different growth of the bill in pl. 20.

† Latham V. p. 316.

‡ Will. ern.

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have observed in many parts of the ocean; they are always found there at certain seasons, but retire at the breeding time to the northern latitudes, and during that time are found as near the *Pole* as navigators have ever penetrated *.

In *America*, they are said to frequent *Carolina*; and have been met with in *Sandwich Sound*, by our late voyagers: the natives ornament the fore parts and collars of their *seal-skin* jackets with the beaks of them; and in *Aoonalashka*, they make gowns of their skins, along with those of other birds.

On the coast of *Kamtshatka* and the *Kurilshchi* islands they are very common, even on the *Penshinski Bay*, almost as far as *Ochotka*: the nations of the two first wear the bills about their necks fastened to straps; these are put on by their *Shaman* or *Priest*, for the people are persuaded that by putting them on with a proper ceremony, they will procure good fortune to all their undertakings †.

“ About the fifth or tenth of April, they arrive in vast quantities at *Priestholm isle*; but quit the place again, and return twice or thrice before they settle to burrow, which they do the first week in *May*, when many of them dislodge the *rabbits* from their holes, by which they save themselves the trouble of forming one of their own: in the last case, they are so intent on what they are about, as to suffer themselves to be taken by the hand. It has been observed that this task falls chiefly to the share of the *males*, and that these last assist also in incubation: this has been proved on dissection. The *female* lays one white egg †. The young are hatched the beginning of *July*: and about the
eleventh

* *Pen. Brit. Zool.*

† *Hist. Kamtsch.*

‡ Albin observes “ they build no nest, but lay their eggs on the bare ground”—

“ They lay but one egg apiece (which is especially remarkable)” “ The eggs are very large

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eleventh of *August* they all go off, to a single bird*, and so completely as to desert the young ones that are late hatched; leaving them a prey to the *Peregrine Falcon*, who watches at the mouth of the holes for them, as they through hunger, are compelled to come out. Notwithstanding the neglect of their young at this time, no bird is more attentive to them in general, as they will suffer themselves to be taken by the hand, and use every means of defence in their power to save them; and, if laid hold of by the wings, will give themselves most cruel bites on any part of the body they can reach, as if actuated by despair; and when released, instead of flying away, will often hurry away into the burrow to their young." *Lat. Gen. Syn.* 5. 316.—
Arch. Zool.

Their flesh is excessively rank, as they feed on fish, particularly *sprats*, or on small *crabs*, *sea-weeds*, &c. yet that of the young birds is often pickled and preserved with spices, and is much admired by some for its peculiar flavor†. *Dr. Caius* writes, that in his days the church allowed them in Lent, instead of fish; and also that they were taken by means of *ferrets*, as now they are by *rabbits*: at present they

large for the bigness of the bird, even bigger than *hens* or *ducks*, of a reddish or sandy colour, much sharper at one end than *hen's* eggs, and blunter at the other." *vol.* 2. p. 78, 79.

But it appears very probable that *Albin* was mistaken as to the colour of the eggs, if we may judge by the concurrence of the best informed naturalists of the present time; "I must add," says *Pennant*, "that they lay only one egg, which differs much in form; some have one end very acute; others have both extremely obtuse; all are white." *Brit. Zool.*

* "The Reverend Mr. *Hugh Davies*, of *Beaumaris*, informed me, that on the 23d of *August* (1776) so entire was the migration, that neither *Puffin*, *Razor-Bill*, *Guillemot* or *Tern* was to be seen there." *Brit. Zool.* 2. 515.

† "They are potted at *St. Kilda* and elsewhere, and sent to *London* as rarities. The bones are taken out, and the flesh wrapped in the skin; are eaten with vinegar, and taste like baked *berrings*." *Lat. Gen. Syst.*

PLATE VIII.

are either dug out, or drawn from their burrows by a hooked stick: they bite extremely hard, and keep such fast hold on whatever they fasten, that it is with difficulty they can be disengaged; when they are taken, their noise is very disagreeable, being like the efforts of a dumb person to speak.

It flies with great strength and swiftness when it gets on the wing, but meets with many falls before that can be effected: the legs are placed so far behind, that it cannot stand except quite erect; and at that time it rests not only on the feet, but on the whole length of the legs also.

PLATE



PLATE IX.

UPUPA EPOPS.

COMMON HOOPOE.

P I C Æ.

Bill compressed, convex.

GENERIC CHARACTER.

Bill long, slender and bending. Nostrils small, placed near the base. Tongue short, sagittal. Toes three before, and one behind; the middle one connected at the base to the outmost.

SPECIFIC CHARACTER,

AND

SYNONYMS.

Bill black, slender. Tongue triangular; placed low in the mouth. Crest composed of a double row of feathers; of a pale reddish brown. Breast and belly white. Back scapulars and wings, barred with black and white. Tail of ten feathers; black marked with white, in the form of a crescent, with the horns pointing towards the end of the feathers. Legs short and black.

UPUPA EPOPS. *Lin. Syst. Nat.* i. p. 183. N° 1.

Scop. Ann. i. p. 53. N° 62.

Muller. p. 13. 103.

Brun. N° 43.

Georgi. Reise. p. 165.

Sepp. Vog. pl. in. p. 129.

Faun Arag. p. 74.

Kolb. Cap. ii. p. 157.

UPUPA. - *Raii. Syn.* p. 48. A. 6.

Gesner. av. 776.

Kramer. elen. p. 337.

F

UPUPA;

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UPUPA; arquata stercoraria; gallus lutosus. *Klein Stem av.* 24. tab. 25.

HOOP OR COMMON HOOPOE. *Will. orn.* p. 145.

Albin. 2. pl. 42. 43.

Edw. 7. pl. 345.

Br. Zool. N° 90.

Artz. Zool. ii. p. 283. A.

Lath. Gen. Syn. ii. p. 687.—*Supp.* 122.

Br. Mus.—Lev. Mus.

DUNG BIRD. *Charlton ex.* 98. tab. 99.

La Hupe, ou Puput. *Brif. orn.* ii. p. 455. N° 1. pl. 43. f. 1.

Buff. ois VI. p. 439.—*Pl. enl.* 52.

La Huppe. *Belon. Av.* 293.

Bubbola. *Olin. uccel.* p. 36.

Wied-hopf. *Frisch. t.* 43.

Harfogel, Pop. *Faun. Suec. sp.* 105.

Her-fugl. *Brunnich.* 43.

Smerda kaura. *Scopoli.* N° 62.

Ter-chaus, or Messenger Bird. *Pococke's Trav.* 1. p. 209.

Linnaeus in the *Fauna Suecica** observes that this elegant bird receives its name from the sound of its note; but by other naturalists it has been suspected that its name was originally derived from the French *huppè* or crested; as the crest is of a very curious structure, and alone is sufficient to distinguish it from every other European bird. It is the only species of the *Hoopoe* genus that is peculiar to the continent of Europe.

* 2d edit. 37.

inhabits *Asia* and *Africa*, and is said to be met with in the large forests of *Sweden**, and in *Austria*†; and has been found as far north as the *Orknies* and *Lapland*, as well as in many of the intermediate places between them; at the *Cape of Good Hope* on one hand, and quite to *Ceylon*‡ and *Java* on the other. In *Europe* it is considered as a bird of passage, and is said not to winter even in *Greece*§. In *England*|| it is far from common, being seldom seen, and at uncertain times: it has been observed in *Kent*, *Surrey*, *Northumberland*, and *Moyston* in *Flintshire*, as well as in several other counties. A gentleman of veracity in *Essex* informs us that one was discovered last year in a hole in his garden wall, but being frightened away did not return again to that place. Among other proofs of its migrating into, and even breeding in *England*, Mr. *Latham* has mentioned several. “The year 1783 seems to have been more abundant in these birds than any I have yet heard of; one being shot near *Oxford*, on the coast of *Suffolk*, in *May*, and another seen near the same place the 24th of *June* following: these no doubt had bred thereabouts. The place where these were seen was a remarkable barren spot. In the month of *September* of the same year two were shot at *Holdernefs*, and many were seen in various parts of *Yorkshire*, and as far north as ¶ *Scotland*. One was shot the 10th of *September* at *Cam* in *Gloucestershire*, another on *Epping Forest*, and a third in *Surrey*. A few years since a pair had begun to make a nest in *Hampshire*; but being too much disturbed, forsook it, and went elsewhere**. The last year (1786) a young bird was sent to me, the 10th of *May*, full-fledged, shot near *South-*

* *Fauna Suecica*, p. 37.

† *Scopoli*.

‡ *Edwards*.

§ The *Hoopoe* and *Roller* are said to come into *Constantinople* in *August*, from the north, to return in spring. *Faun. Arab.* p. 7. — “The *Hoopoe* and *Bee-eater* come in the spring, and remain all the summer and autumn.” *Russil. Alep.* p. 70.

|| *Latham*, *Gen. Syn.* 683. 1.

¶ *Mr. Turnball*.

** *Ditto*.

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fleet, in *Kent**; but the old birds had not been observed."—It was well known, as a visitor in *England*, at the time *Albin* published his *History of Birds*; his observations deserve notice. "The hen of this bird was shot in the garden of Mr. *Starkey Mayos*, at *Woodford* on *Epping Forest*, where they had observed it some time, and used all the means to take it they could; but it was so shy, that it avoided all their traps which were laid for it; which the gentleman observing, ordered it to be shot: it was sent to me to be preserved for him.

"The cock of this kind I drew from a picture done in *Germany*, by a great master there, now in the possession of Mr. *Nisbet*, a gentleman, who had it drawn from the bird when alive.

"There is some difference in the colours of the hen, and this bird which was a cock, I was credibly informed by *Robert Bristow*, Esq; who saw both the drawings of the cock and hen, and told me his son shot the cock, which was like the drawing at his seat at *Micheler*, near *Winchester* in *Hampshire*." *Albin*, Vol. II. 42, 43.

Latham observes, "it is a solitary bird, and seldom more than two are seen together; though it is said that in *Egypt* it assembles in small troops. It is very common in *Cairo*, where it builds in the streets, on the terraces of houses, &c. It is also common in the deserts of *Russia* and *Tartary*, though scarce beyond the river *Ob*; however some are found beyond the *Lake Baikal*. Dr. *Pallas* confirms the account of the filthy manners of this bird, as he met with an instance of a pair breeding in the privy of an uninhabited house in the suburbs of *Tzaritzn* †.

"I am informed by colonel *Davies*, that they every year are seen in *Gibraltar* in *March*, in small flocks of ten or twelve; hence are

* By Mr. *Gudden* of that place.

† *Arch. Zool.*

P L A T E X I.

called there *March Cocks*. They are supposed to come from *Africa*, and to be on their passage north to some other place, as they only stay a few hours to rest themselves: and it is not uncommon to see five or six flocks in a week, during the time of their passage. He did not observe them to have any note; but that they had a dipping kind of flight not unlike a *Woodpecker*. I have observed this Bird to be among paintings both from *China* and *India*; it is therefore no doubt common to both those parts." *Lath. Gen. Syn.*

In Sweden the appearance of this Bird is regarded as a presage of war; and in England its visits were formerly considered as ominous by the vulgar.

In Turkey it is called *Tir Chaous*, or the Messenger Bird from the resemblance its crest has to the plumes worn by the *Chaous*, or *Turkish* couriers.

Latham says, the *female* is like the *male*, and lays from two to seven eggs; but for the most part four or five. These are somewhat less than those of a Partridge, but longer and ash-coloured. This Bird is said to have two or three broods in a year, and to lay the eggs in the holes of trees, like the *Woodpecker*, but in general to make no nest: notwithstanding which, *Buffon* observed, that two out of six nests, which were brought to him for inspection, had a soft lining of moss, wool, leaves, feathers, and the like; and he is of opinion, that when this is the case, the bird has made use of the old nest of some other bird. It will also lay, and hatch the young in holes of walls, and even on the ground. The food of this bird is insects; and it is the exuviae of the large beetles, and such like, with which the nest is crowded, that cause the nest to stink so horribly; insomuch that former writers asserted the nest to be made of excrement.

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In *Sepp's* plate the nest is placed in the hollow of a tree; it is composed of soft bents, and smooth within. The eggs, four in number, of a blueish white, marked with pale brown spots.

Buffon mentions one of this species which lived with a lady for three months, subsisting only on bread and cheese; and, contrary to the common opinion, drank frequently, and that by gulps. Another was kept for eighteen months on raw meat, and would not eat any thing else.

Olina says, that this bird lives three years.

In some countries it is esteemed as good eating. It seldom perches on trees, unless they are very low. It does not erect its crest, except when agitated by surprise: in a natural state the crest falling behind the neck*; but whenever it alights on the ground, it is said to spread its crest beautifully.

Some authors mention a variety of this species. *Kolben*† mentions one at the *Cape of Good Hope*, which is smaller; the bill shorter in proportion; and the legs longer: the crest is not so long, and has no trace of white in it throughout: and in general the plumage is less variegated. Another specimen from the same place, had the upper part of the beak of a deep brown, and the belly varied with brown and white; but as this was less in every respect, it was probably a young bird.

Gerini mentions one which he saw at *Florence*, and again on the *Alps*, which had the crest bordered with sky-blue. *Orn. Ital. Hist. des ois.* VI. p. 462.

* *Peregr.*

† *Kolben. Hist. du Cap. I. p. 152.*



PLATE X.

SYLVIA DARTFORDIENSIS.

DARTFORD WARBLER.

PASSERES.

Bill conic, pointed. Nostrils oval, broad, naked.

GENERIC CHARACTER.

Bill weak, slender*. Nostrils small, a little depressed. Tongue cloven. The exterior toe joined at the under part to the base of the middle one.

SPECIFIC CHARACTER,

Bill black, with a white base; the upper mandible a little curved at the tip. Irides red; eyelids deep crimson. The upper parts of the head, neck, and body, dusky reddish brown. Breast and belly deep ferruginous; middle of the belly white. Quills dusky edged with white. Bastard wing white. Exterior web of the outer tail feather white; the rest dusky. Legs yellow.

SYLVIA DARTFORDIENSIS. *Lath. Gen. Syn.* iv. p. 435. N^o. 27.

DARTFORD WARBLER. *Suppl.* p. 181.

Pennant. Brit. Zool. i. N^o 161. pl. 56.

——— *Arct. Zool.*—*Lev. Mus.*—*Berken. opt. Nat.*

Hist. Vol. i. 52. 14.

Le Pitchou de Provence. *Buf. ois.* v. p. 158. *Pl. enl.* 655. 1.

* The Linnæan genus *Motacilla* has been separated by Pennant, and his method adopted by Latham; by this separation the Wagtails constitute one genus, and the Warblers another: the latter are distinguished from the former in several respects; they perch on trees, proceed by leaps, not running, and seldom emit any noise in flight.

PLATE X.

This bird measures five inches from the tip of the bill to the end of the tail: it is of a lively appearance, though not very beautiful in the colours of its plumage; and deserves our immediate attention as one of the least known species we have in this country.

It is a native of *France* as well as of *England*. In *Provence* it is commonly found among cabbages: it feeds on the insects that harbour among those vegetables, and not unfrequently conceals itself under the shelter of the leaves during the night.

A friend of Mr. Latham's shot a pair of those birds on *Bexley Heath*, near *Dartford* in *Kent*, *April* the 10th, 1773, as they were sitting on a furze bush: they fed on flies; springing from the bush every time one approached near, and returning to the same place repeatedly; thereby imitating, as he observes, the manners of our *Cinereous Flycatcher*.

This species resides with us in the winter. Several specimens, which are now preserved in the *Leverian Museum*, were shot on a common near *Wandsworth* in *Surrey*, 1782.

Mr. Latham appears to entertain some doubt, whether this species ever breeds in *France* *. He says an intelligent observer of *English* Birds † has informed him, that he never met with this species in the neighbourhood of *London*, except in *winter*; and that it disappears before the end of *April*. Should this be the general fact, he can by no means reconcile the circumstance of its breeding in *France*, as all migratory birds retire northward to breed, not to a warmer climate; and should rather suppose, that if it does not quit *England* in summer, it will hereafter be found in the northern parts of it.

* *Hist. des Ois.* v. p. 158.

† Mr. Green.



PLATE XI.

AMPELIS GARRULUS.

WAXEN CHATTERER.

PASSERES.

Bill conic, pointed. Nostrils oval, broad, naked.

GENERIC CHARACTER.

Bill strait, convex, bending towards the point; near the end of the upper mandible a small notch. Nostrils hid in the bristles. Tongue cartilaginous, bifid.

SPECIFIC CHARACTER.

Length eight inches. Bill black, irides reddish: the feathers on the crown of the head elongated into a crest: the head and upper parts reddish ash colour. Rump fine cinereous. From the nostrils over each eye, passes a streak of black. Forehead chestnut. Chin black. Breast pale purplish chestnut; belly paler, inclining to white near the vent. Lesser wing coverts brown; the greater, farthest from the body, black with white tips, forming a bar: quills black, the third and fourth tipped on the outer edges with white, the five following with yellow: secondaries ash-colour, tipped on the outer edge with white; seven of the secondary feathers have the ends of their shafts continued into a flat horny appendage, of the colour of fine red sealing-wax. Tail black, tipped with yellow. Legs black.

AMPELIS GARRULUS, *Linn. Syst.* 1. p. 299. 1.

Faun. Suec. N° 82.

Kram. el. p. 363. 1.

Frisch. pl. 32.

P L A T E X I.

LANIUS GARRULUS. *Scop. Ann.* i. p. 20.

GARRULUS BOHEMICUS. *Albin.* 2. pl. 26.

Gesn. av. 703.

BOHEMIAN CHATTERER. *Will. orn.* p. 132. pl. 20.—*Albin.*

WAXEN CHATTERER. *Latham. Syn.* iii. 91. 1.

Pennant. Brit. zool. i. 314.

Br. Zool. N^o 112. pl. 48. Arct. Zool.—Br.

Mus.—Lev. Mus.

SILK TAIL. *Raii. Syn. av.* 85. A.

Phil. Transf. Vol. xv. p. 1165. pl. 1. f. 9.

Ray's letters 198. 200.

Le Jafeur de Boheme.

Bombycilla Bohemica. *Bris. orn.* ii. p. 333. 63.

Buff. ois III. p. 429. pl. 26.—*Pl. enl.* 261.

Siden-suantz, Snotuppa. *Faun. Suec. sp.* 82.

Sieden vel Sieben Suands. *Brunnich.* 25.

Zuferl, Geidenschweiff. *Kramer.* 363.

Seiden-schwantz. *Frisch.* i. 32.

This bird is supposed to breed in *Bohemia* and other parts of *Germany*, but its summer residence is perhaps more northward; it is seen in plenty both at *St. Petersburg* and *Moscow*, in the winter; but comes from the north and departs again to the *Arctic* circle in spring; never known to breed in *Russia*, is scarce in *Siberia*, and has not been observed beyond the river *Lena* *.

All the birds of this genus are natives of *America*; this species excepted; they wander from their native place all over *Europe*, and at uncertain times visit the *Southern* parts of *Britain*. They are observed in the *Northern* parts; about *Edinburgh* in *February* they come an-

* Pennant.

P L A T E XI.

nually and feed on the berries of the mountain ash: they also appear as far south as *Northumberland* and *Yorkshire* frequently, and like the fieldfare make the berries of the white-thorn their food*. They have also been met with several times near *London* †. They disappear in spring ‡. In *France* and *Italy* they are not unfrequent.

The nests of those birds are said to be constructed in the holes of rocks §, but as we can scarcely determine even their native country, we need not expect any satisfactory information relative to its eggs and nest, until some future traveller shall be so fortunate as to discover them.

The general food is *berries* of all kinds, especially *grapes*; in countries where they are plenty they are esteemed good food.

It is said that the *females* want the red appendages at the end of the second quills ||, as well as the yellow marks on the back **.

A variety of this bird is also found in *America* from *Carolina* to *Mexico*, it is the *AMPELIS GARRULUS* of *Linnaeus*, *Le jaseur de la Caroline*, of *Briffon* and *Buffon*; *Caquautototl*, *Raii*; and *Chatterer* of *Carolina*, of *Edwards*, *Catesby*, &c.

This bird is less than the *European* kind, is much like it, except that the belly is of a pale yellow instead of reddish; both sexes have

* *Pennant Br. Zool.* II. 314.

† One was shot at *Eltham*, in the winter 1781, and was in the collection of Mr. T. Latham, of *Dartford*.

‡ *Br. Zool.—Flor. Scot.*

§ In *Tartary*. *Frisch*.

|| This is probable, since it is certainly so in the *American* species. But these birds vary much in this characteristic; for I have observed so few as five in some specimens; and *Buffon* mentions having seen a bird with seven on one wing, and five on the other, as well as others with three only." *Latham*.

** "This is not clear to me. The *American* species has no yellow on the wings in either sex. I have never met with one of these without." *Latham*.

PLATE XI.

the wings of a plain colour without the marks of yellow: the *female* has no appendages at the ends of the second quills, and the plumage is less lively than in the male.

This variety is called the *Recollect* at *Quebec*; our late voyagers met with this bird at *Aoonalshka* *.

* Ellis's voyage II. p. 15.

PLATE



PLATE XII.

TETRAO LAGOPUS.

PTARMIGAN GROUS.

OR

WHITE GAME.

GALLINÆ.

Bill convex: the upper mandible arched. Toes connected by a membrane at the bottom. Tail feathers more than twelve.

GENERIC CHARACTER.

Bill convex, strong, and short, a naked scarlet skin above each eye*. Nostrils small, hid in the feathers. Tongue pointed at the end. Legs strong, feathered to the toes, and sometimes to the nails. Toes of some species pectinated on the sides.

* With four toes.

SPECIFIC CHARACTER,

Length fifteen inches. Bill black. Plumage pale brown or ash-colour, crossed or mottled with small dusky spots, and minute bars; the head and neck with broad bars of black, rust colour, and white. Wings white: Shafts of the greater quills black. Belly white. Winter dress pure white, except a black line between the bill and eye, and shafts of the first seven quills black, in the *male*. Tail of sixteen feathers, the two middle ones ash-coloured in summer, white in winter, two next slightly marked with white near the ends; the rest entirely black. The upper tail coverts almost cover the tail.

* Three or four species excepted.

P L A T E X I I .

TETRAO LAGOPUS. *Lin. Syst. i. p. 274. 4.*

Suec. 203.—Scop. Ann. i. N° 170.

Raii. Syn. p. 55. 5.—Baun. p. 59.

Phil. Transf. vol. lxii. p. 390.—Frisch.

pl. 110. 111.—Kram. el. p. 356.

Faun. Groenl. N° 80.—Georgi. Reise. p. 172.

LAGOPUS. *Gesner. av. 576.*

Plinii. lib. x. c. 48.

Perdrix alba seu Lagopus, Perdice alpestre.

Aldro. av. 11. 66.

WHITE GAME*. *Will. orn. p. 176. pl. 32.*

PTARMIGAN. *Br. Zool. 1. N° 95.—Gent. Mag. 1772.*

pl. in p. 74.—Sib. Scot. 16.

Pen. Zool.—Arct.—Br. Mus.—Lev. Mus.—Lath.

Gen. Syn. IV. 741. 10.

La Gelinote blanche. *Brif. orn. 1. p. 216. 12.—Pl. enl. 129.*

(Winter drefs).—Pl. enl. 494. (Summer drefs).

La Perdrix blanche. *Belon. av. 259.*

Le Lagopède. *Buff. ois. ii. p. 264. pl. 9.*

Snoripa. *Faun. Suec. sp. 203.*

Schneehuhn. *Frisch. 1. 110.*

Schneehun. *Kram. 359.*

This species measures fourteen or fifteen inches from the tip of the bill to the extremity of the tail: extent twenty three, weight nineteen ounces. Its summer drefs varies exceedingly from that which it assumes in winter; in the former the general colour is pale brown, or ash-colour, not inelegantly marked, or mottled with dusky bars, spots,

* Erroneously called the White Partridge

PLATE XII.

rust colour, &c. in both sexes, but in the latter, the female is entirely of a very beautiful white; the male of the same colour, but is distinguished by a dark dash, or line which passes from the bill to the eye, and by the shafts of the first seven quill feathers being black; the twelve extreme feathers of the tail are of the same black colour.

Our figure is copied from a male bird which has not wholly assumed its winter appearance, but is in the last stage of changing its summer dress, as appears from the flight intermixture of dark feathers on its breast and back.

It inhabits most of the northern parts of *Europe*, even as far as *Groenland*, in *Russia* and *Siberia* it is very frequent; it is seen in plenty on the *Alpine* mountains of *Savoy*, on the *Alps*, and mount *Cenis*.

In *Great Britain* it is met with on the summits of the highest hills in the *Highlands* of *Scotland*. *Hebrides*, and *Orknies*, and a few yet inhabit the lofty hills near *Keswick* in *Cumberland*, as well as *Wales* *. They live amidst the rocks, and perch on the grey stones, the general colour of the strata in those situations.

Willughby has described the *Ptarmigan* under the name of the White Game. *M. Brisson* † joins it with the White Partridge of *Edwards*, but *Pennant* has given as his decisive opinion that they are two distinct species. "I have received both species at the same time from *Norway*, and am convinced that they are not the same." *Penn.*

The female lays eight or ten eggs, spotted with red-brown, the size of those of a Pigeon, on the earth, in a stony situation, about the middle of June ‡.

* *Latham*—*Pennant*.

† *Tom. 1. p. 216.*

‡ *Latham*.

P L A T E XII.

Authors agree that they are stupid silly birds, and are so tame as to be drawn into any snare; or suffer themselves to be taken by the hand; if the hen is killed the *male* will not forsake her. The *Groenlanders* take them with nooses tied to a long line, which being carried by two men is drawn over their heads.

* Their food consists of the buds of trees, young shoots of *pine*, *heath*, *fruits*, and *berries* which grow on the mountains: on the continent they feed on the *Dwarf Birch* and *Black-berried Heath*, or sometimes on the various kinds of *Liver-wort*.

“ They taste so like a Grouse as to be scarcely distinguished; like the Grouse they keep in small packs; but never like those birds take shelter in the heath; but beneath loose stones.”

In winter they lie in heaps, in lodges which they form under the snow.

* Pennant.





P L A T E XIII.

PICUS MARTIUS.

GREAT BLACK WOODPECKER.

PICÆ.

Bill compressed, convex.

GENERIC CHARACTER.

Bill strait, strong, angular, and connected at the end. Nostrils covered with bristles reflected down. Tongue very long, slender, cylindric, bony, hard and jagged at the end. Toes two forward, two backward. Tail of ten hard, stiff, sharp-pointed feathers.

SPECIFIC CHARACTER.

Bill ash colour, blending to black, whitish on the sides. Irides yellow. Whole bird black except the crown on the head, which is vermilion. Legs lead colour; covered with feathers on the fore part half their length.

PICUS MARTIUS. *Linn. Syst.* I. p. 173. N° 1.

Scop. Ann. I. p. 46. N° 51.

Brun. N° 38.

PICUS niger maximus. *Raii. Syn.* p. 42. 1.

GREAT BLACK WOODPECKER. *Will. Orn.* 135. pl. 21.

Albin. 2. pl. 27.

Amer. Zool.

Lath. Gen. Syn. II. p. 552. 1.

Art. Zool. II. p. 276. A.

PLATE XIII.

Le Pic Noir. *Bris. Orn.* IV. p. 21. N° 6.

Buf. Oif. VII. p. 41. pl. 2.—Male, *Pl. enl.*
596.

Orn. de Salern. pl. 10. f. 2.

Schwartz Specht. *Frifch. t.* 34.

This species is near seventeen inches in length; the plumage is entirely black, except the crown of the head, which is of a vermilion colour, rather inclining to crimson; the bill, and claws, are of considerable strength, particularly the latter, which are curved in a more formidable manner than those even of many rapacious birds of equal magnitude.

The *female* differs from the *male* in the general colour of the plumage; that of the *female*, having a strong cast of brown on the back, and the vermilion coloured feathers, with which the whole crown of the *male* is invested, being only sparingly diffused on the crown of the *female*, though they terminate in a rich tuft on the hind part of the head.

Both *male* and *female* are very liable to variations in the red on the crown; some are adorned with a profusion of those feathers, while others have scarcely any; and specimens have been met with entirely black, without even a trace of the vermilion colour on their heads.

As an *English* Woodpecker it is the largest we have; it even considerably exceeds the size of the GREEN WOODPECKER, *Picus Viridis*. It is very rare in this country, and generally believed to have been only observed in the southern parts, and in *Devonshire* *.

* Mr. Latham writes, "Mr. Tunstall tells me, that he has been informed by a skilful Ornithologist, of its being sometimes seen in *Devonshire*." *Gen. Syn.*

P L A T E XIII.

It is found in almost every part of *Europe*, but is plenty only in *Germany*; it is rarely seen in *France*; never in *Italy*; and only during the summer in *Sweden*, *Switzerland*, and *Denmark*. Extends to *Russia*, where it is common in the woods from *St. Petersburg*, to *Ochotsk* on the *eastern* Ocean, and to *Lapmark* on the *west* *.

“ This species is so very destructive to Bees, that the *Baschirians* in the neighbourhood of the river *Ufa*, as well as the inhabitants of other parts, (who form holes in the trees twenty-five or thirty feet from the ground, wherein the *Bees* may deposit their store), take every precaution to hinder the access of this bird; and in particular are cautious to guard the mouth of the hive with sharp thorns; notwithstanding which, the *Woodpecker* finds means to prove a very destructive enemy: and it is observed to be in most plenty where the Bees are in the greatest numbers †.” *Latham*.

Its food does not consist entirely of *Bees*; *Albin* writes of the bird he has figured, “ The guts are seventeen inches long, great and lax; the stomach also lax and membranous, full of *Hexapods* and *Ants*. It wants the *appendices* or blind guts as the rest of this tribe.”

Its nest is capacious and deep, and is said to be usually built in old *Ash* or *Poplar trees*; *Frisch* observes, that they often so excavate a tree, that it is soon after blown down with the wind; and that under the hole of this bird may often be found a bushel of dust and bits of wood.

The *female* lays two or three white eggs; which colour, according to *Willughby* ‡, is peculiar to the whole genus, or at least to all those which have come under his inspection.

* *Arch. Zool.*

† *Desc. Russ. IV. p. 9. 17.*

‡ *Zool. Danic.*





PLATE XIV.

MOTACILLA TROCHILUS.

WILLOW WREN.

PASSERES.

Bill conic, pointed. Nostrils oval, broad, naked.

GENERIC CHARACTER.

Bill slender, weak. Nostrils small, a little depressed: Tongue cloven. The exterior toe joined at the under part to the base of the middle one.

SPECIFIC CHARACTER.

Upper parts pale olive green; under parts pale yellow. A streak of yellow over the eyes. Wings and tail brown, edged with yellowish green. Legs yellowish.

MOTACILLA TROCHILUS. *Linn. Syst. I. p. 338. N° 49.*

Faun. Suec. N° 264.—Scop. Ann. I. N° 238.

Kram. el. p. 378. N° 22.—Brun. N° 286.—

Muller 281.—Frisch. t. 24. f. 2.

MOTACILLA HISPANICA. *Hasselq. Voy. 287. 52.*

TROCHILUS. *Gesner av. 726.*

ASILUS. *Aldrov. av. II. 293.*

SMALL YELLOW BIRD. *Raii Syn. p. 80. A. 10.*

LITTLE YELLOWISH BIRD. *Will. Orn. p. 228.*

GREEN WREN.

Regulus non cristatus. Albin. II. 59.

YELLOW

P L A T E XIV.

YELLOW WREN. *Latham Gen. Syn.* IV. 512.

Penn. Brit. Zool. N° 151.

Arch. Zool.—Br. Mus.—Lew. Mus.

Le Pouillot, ou Chantre. *Brif. Orn.* iii. p. 479. N° 45.

Buff. Ois. V. p. 344.—*Pl. enl.* 651. f. 1.

Chofti, ou Chanteur. *Belon av.* 344.

Schnee Rienig (Snow King). *Frifch*, I. 24.

Schmittl. *Kramer.* 378.

The Yellow Wren ranks among the least of the British Birds; it measures only four inches and three quarters from the tip of the bill to the extremity of the tail. The colours of its plumage are not attractive, neither do we introduce it as a rare bird, being one of our most frequent species; but it is a very delicately formed creature, exceedingly active, and by concealing itself immediately among the thickest of the foliage when any noise approaches, it may not be so generally known as some less timid birds.

It chiefly frequents large woods, which abound with willows; and builds its nest at the roots of trees, or in the hollows of dry banks; it is constructed in the form of an egg, with a hole at the top for its entrance, the outside is composed of moss and hay, or straw; and the inside is lined with soft feathers, wool, or hair. It lays seven white eggs*, or, according to *Latham* and *Albin*, only five; they are freckled all over with reddish spots. Its note is low and plaintive, scarcely more than *twit*, *twit* †, which it utters when it is running up and down the branches of trees in search of insects on which it feeds. It is said that the male has a song during incubation, far from unpleasing, and is soft, though weak. It is migratory, but visits us early.

* *Pennant Br. Zool.* 1. 151.

† *Latham.*

P L A T E X I V .

Albin says it sings like a grasshopper, and frequents woods and solitary places, sitting on the tops of oaks.

Pennant observes, that the breast, belly, and thighs, vary in colour in different birds; in some those parts are of a bright yellow, in others they fade almost into white. The legs also appear to admit of variation, those of our specimens are yellowish in both sexes, *Albin* describes those of his male specimen to be pale amber colour, and those of the hen to be black.

Latham, in his *Gen. Syn.* has given a description of four other birds, which he considers only as varieties of the *MOTACILLA TROCHILUS*. Among those are included the *GREATER NON-CRESTED REGULUS* of *Willughby*, and the *MOTACILLA ACREDULA* of *Linnaeus*. This latter bird appears in the *British Zoology* of *Pennant* as a new species, (the Scotch Wren;) it has been also considered as a distinct kind in the writings of some, and the synonymas of others, as *Briffon*, *Buffon*, *Ray*, *Sloane*, *Catesby*, and *Edwards*, but as it differed from our species only in the colour of the upper parts, inclining more to brown than to green, and the lower parts more to yellow, Mr. *Latham* concluded it was only a variety. It is a native of *Jamaica*, *Carolina*, and *America*; but one was communicated to Mr. *Latham* by *E. S. Fraser, Esq.* who informed him that it was shot in the *Highlands of Scotland*.





PLATE XV.

MOTACILLA FLAVA.

YELLOW WAGTAIL.

PASSERES.

Bill conic, pointed. Nostrils oval, broad, naked.

GENERIC CHARACTER.

Bill weak and slender; slightly notched at the tip. Tongue lacerated at the end. Legs slender. Tail frequently in motion, seldom perch; have a twittering noise in flight*.

SPECIFIC CHARACTER.

Bill black: head and upper parts of the body olive green, rump palest: under parts from the throat bright yellow; on the throat a few black spots; above the eye a streak of yellow, through the eyes another of dusky colour: beneath the eye also a streak of dusky. Lesser wing coverts as the back; the others dusky, edged with pale yellow: quills dusky. Tail black except two of the outer feathers, which are partly white. Legs dark brown; hind claw very long.

MOTACILLA FLAVA. *Linn. Syst. I. p. 331. N° 12.*

Faun. Succ. 253.

Scop. ann. I. N° 226.

Brun. N° 273. 274.

* Vide Latham's division of the Motacilla genus.

P L A T E X V.

Muller. N° 273.

Kram. el. p. 374. 2.

Frisch. pl. 23.

Georgi Reiffé. p. 174.

Sepp. Vog. pl. in. p. 103.

Faun. Arag. p. 88.

Gefner. av. 168.

YELLOW WATER WAGTAIL. *Raii. Syn.* 75. A. 2.

Will. Orn. p. 238. pl. 68.

Edw. pl. 158. (the female).—258 (the male).

Br. Zool. 1. N° 143.

Arct. Zool.—*Br. Mus.*—*Lev. Mus.*

Latham Gen. Syst. IV. 400. 6.—*Suppl.* 179.

I a Bergeronette de Printemps. *Bris. Orn.* iii. p. 468. N° 40.

Buff. Ois. V. 265. pl. 14. f. 1.—*Pl. enl.* 674.

N° 2.

Sufurada. *Belon. obs.* 11.

Codatremola. *Zinan.* 51.

Gelb-brüftige. Bachsteltze. *Frisch.* 1. 23.

Gulfpink. *Brunnich.* 273.

Gelbe Bachstelze. *Kram.* 374.

The Yellow Wagtail is not equal in size to the Common, or White Wagtail, it measures only six inches and a quarter in length. It is a bird of distinguished beauty, particularly the male, whose plumage is for the most part of a very lovely yellow, by no means inferior to that of the male Golden Oriole; the yellow colour on the

I

breast

PLATE XV.

breast of the female is paler, the streak over the eye whiter, and it wants the black markings on the throat.

It is usually observed in moist meadows, and corn-fields in this country in the summer-time; but migrates, or shifts its situation in the winter: *Pennant* says it continues in *Hampshire* the whole year.

It makes its nest in the *corn-fields* on the ground, the outside is composed of bents and fibres of the roots, the inside is lined with hair. They are commonly found with five eggs in them, of a whitish colour, varied with red brown spots.

Is seen in France at all times of the year, except the winter is uncommonly severe. Is said to inhabit *Sweden*, *Russia*, *Siberia*, and *Kamtchatka*.

Latham describes the legs, black: those of our specimens are brown.





PLATE XVI.

PARUS CAUDATUS.

LONG-TAILED TITMOUSE.

PASSERES.

Bill conic, pointed. Nostrils oval, broad, naked.

GENERIC CHARACTER.

Bill strait, a little compressed, strong, sharp-pointed, bristles reflected over the nostrils. Tongue terminated by three or four bristles. Toes divided at their origin; back toe very large and strong.

SPECIFIC CHARACTER.

Bill short, thick, and black. Top of the head white, surrounded by a broad streak of black, like a crown, it passes down the hind part of the neck, and back to the rump. Side of the head white. Sides of the back, the rump, belly, sides, and vent, dull rose colour. Wing black. Tail very long, feather of unequal lengths, some black, others black with white tips.

PARUS CAUDATUS. *Linn. Syst. I. p. 342. N° II.*

Scop. Ann. I. p. 164. N° 247.

Kram. el. p. 379. N° 6.

Sepp. Vog. pl. in. p. 49.

Frisch. t. 14.

Raii. Syn. p. 74.

LONG-

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LONG-TAILED TITMOUSE. *Will. Orn. p. 242. pl. 43.*

Albin II. pl. 57. f. 1.

Raii. Syn. p. 74.

Br. Zool. I. N° 166.—Arct. Zool.—Br. Mus.

—Lev. Mus.

Latham. Gen. Syn. IV. 550. 18.—Suppl. 190.

La Mefange à longue queue. *Brif. Orn. III. 570. N° 13.*

Buff. Ois. V. p. 437. pl. 19.—pl. enl. 502. f. 3.

Monticola. *Aldro. av. II. 319.*

Pendolino, Paronzino. *Zinan. 77.*

Alhtita. *Faun. Suec. sp. 83.*

Gaugartza. *Scop. N° 247.*

Belzmeife Pfannenftiel. *Kram. 379.*

Langfchwaentzige Meife. *Frifch. I. 14.*

This bird is very common in *England*; is said to inhabit *Sweden*, and thence to extend even to *Italy*; the fulness of its plumage enables it to bear the inclemencies of the northern regions in winter, but it admits of some surprize that such as are found in warmer countries are not clothed with a plumage more adapted to the climate.

The length is five inches and a quarter, the breadth seven inches, the tail is remarkably long in proportion to the size of the body; in form it is like that of a magpie, consists of twelve feathers of unequal lengths; those in the middle are the longest, those on each side grow gradually shorter. The legs are generally black, but of some specimens are brown.

The

P L A T E XIV.

The form of the nest is almost peculiar to this species only, it is of an oval shape, with a small hole or entrance in the side; the materials of the external part are moss, liverwort, and wool, curiously interwoven, the inside is lined with a thick bed of the softest feathers. The nest is not suspended from a bough as is usual with some of the tribe, but is built between the forked branches of low wood, about three feet from the ground: they generally contain from ten to seventeen or even twenty eggs of greyish colour, speckled with pale red-brown.

Those birds are most frequent in gardens and orchards, to which they do much injury by devouring the tender shoots; they are very active, and fly to and fro with great facility, or run up and down the branches in every direction. The parents and their offspring remain together the whole winter, but separate in the spring*.

The male has more of the rose colour than the female; in the former however it is subject to much variation.

* " The young follow the parents the whole winter; and from the slowness of their bodies, and great length of tail, appear, while flying, like so many darts cutting the air," *Pennant*.

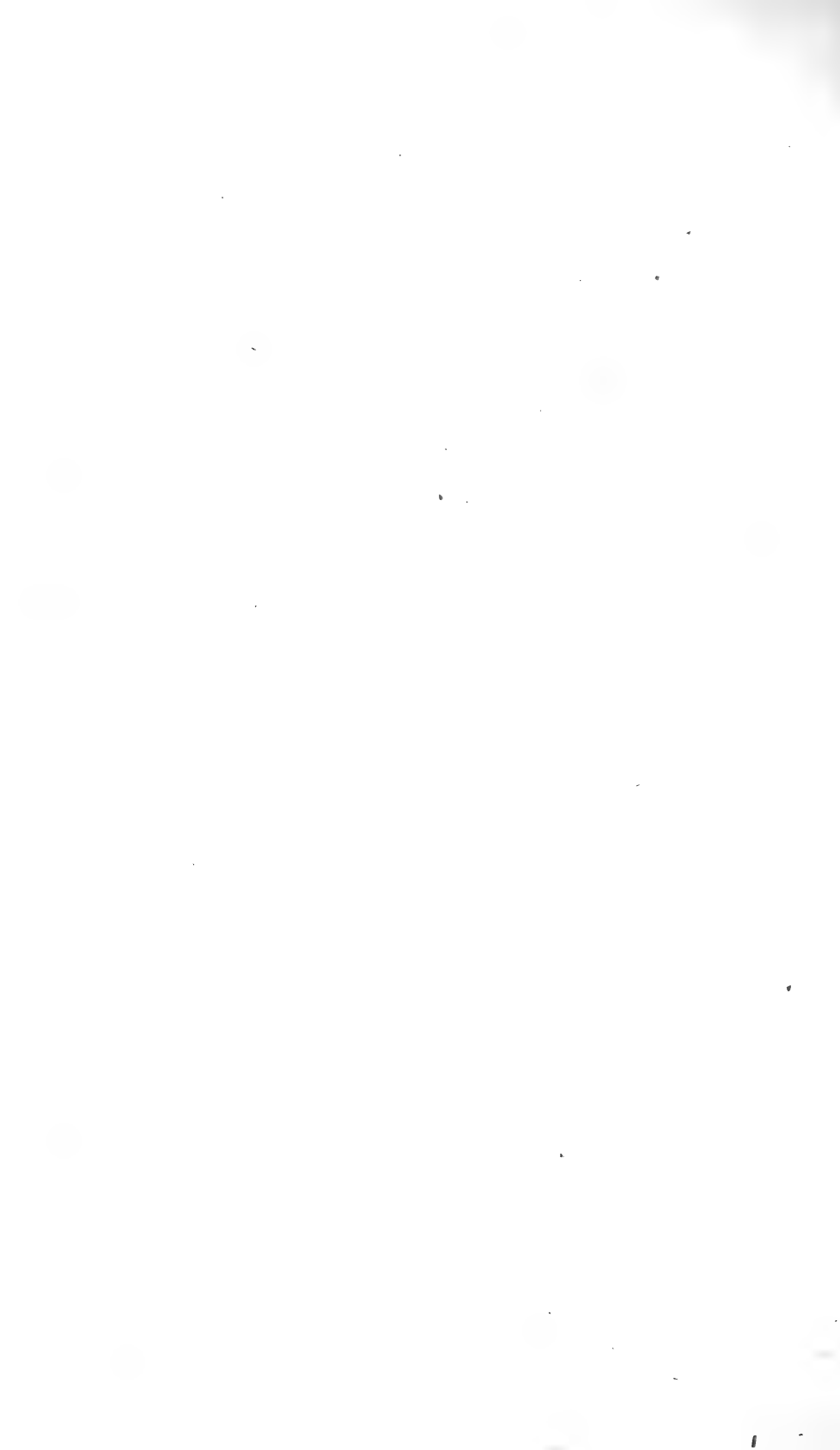




PLATE XVII.

LOXIA ENUCLEATOR.

PINE GROSBEEK.

PASSERES.

Bill conic, pointed. Nostrils oval, broad, naked.

GENERIC CHARACTER.

Bill strong, convex above and below, very thick at the base. Nostrils small and round. Tongue as if cut off at the end. Toes placed three before and one behind.

SPECIFIC CHARACTER.

Bill stout at the base, the upper mandible hooked at the tip; Nostrils covered with recumbent feathers. Head, neck, breast, and rump, rose-coloured crimson. Back and lesser wing coverts black, edged with reddish; greater wing coverts black, tip with white; quills black; secondaries have the outer borders white, primaries have grey. Belly and vent ash-coloured. Tail rather forked. Legs brown.

LOXIA ENUCLEATOR, *Linn. Syst.* 1. p. 299. N° 3.

Faun. Suec. 223.

Brun. N° 239.

Muller, N° 246.

GREATEST BULFINCH, *Edw. pl.* 123, 124. M. & F.

PINE GROSBEEK, *Art. Zool.* 2. N° 209. *Br. Mus.—Lev. Mus.*

Latham's Gen. Syn. iii. p. 111. N° 5.

Pennant's Brit. Zool. 1. N° 114. *pl.* 49. *fig.* 2.

P L A T E XVII.

Gros-bec de Canada, *Bris. Orn.* iii. p. 250. N^o 15. pl. 12. f. 3.—

Pl. enl. 135. 1.

Le Dur-bec, *Buf. Ois.* iii. p. 457.

Tallbit. Natt-waka. *Faun. Succ.*

Coccothraustes Canadensis. *Bris.*

The male Pine Grosbeak is certainly one of the most beautiful of the feathered tribe that inhabit either of the sister countries of *Great Britain*. It measures nine inches from the tip of the bill to the end of the tail, its weight two ounces; the general colour of its plumage is rose-coloured crimson, and black, elegantly marked with white on the edges of the feathers: the bill, which is remarkably stout, and curved at the tip, is well adapted for the purpose of dividing the cones of the pines to obtain the seeds.

The female has not the beautiful appearance of the male; the principal colour of her plumage is dirty green, inclining to brown, the crown of the head varied only with a few reddish or yellowish tints, and some feathers of the same colour slightly dispersed over the back, breast, and belly.

In *England* this species is found only in the most northern parts, or is probably entirely confined to *Scotland*; like the Crossbill it inhabits the pine forests in the *Highlands*; *Pennant* suspects that they breed there, as he has observed them flying above the great pine forests of *Invercauld, Aberdeenshire*, in the month of August.

PLATE XVII.

It is found in the pine forests also of *Sweden*, the northern parts of *Russia* *, of *Siberia*, and *Lapland*; they are also common in the northern parts of *America*: from April to September they are frequent at *Hudson's Bay*; the southern settlements are inhabited by them throughout the year. It has been met with at *Alonafshka* †, and in *Norton Sound*.

Latham observes, that at *Hudson's Bay* it frequents the groves of *pin*es and *junipers* in May; and makes a nest in the trees with sticks lined with feathers, at a small height from the ground. The eggs are four in number, and white; the young are hatched the middle of June: he adds, "though this bird, when adult, is beautiful in colour, the young brood for some time remain of a plain dull blue." The natives of the *Bay* call it *Wuscunithow* ‡.

* "Common about *St. Petersburg* in autumn, and is caught in great plenty at that time for the use of the table, returning north in spring." *Pennant*.

† *Ellis's Narr.* vol. ii, p. 15.

‡ *Mr. Hutchins.*

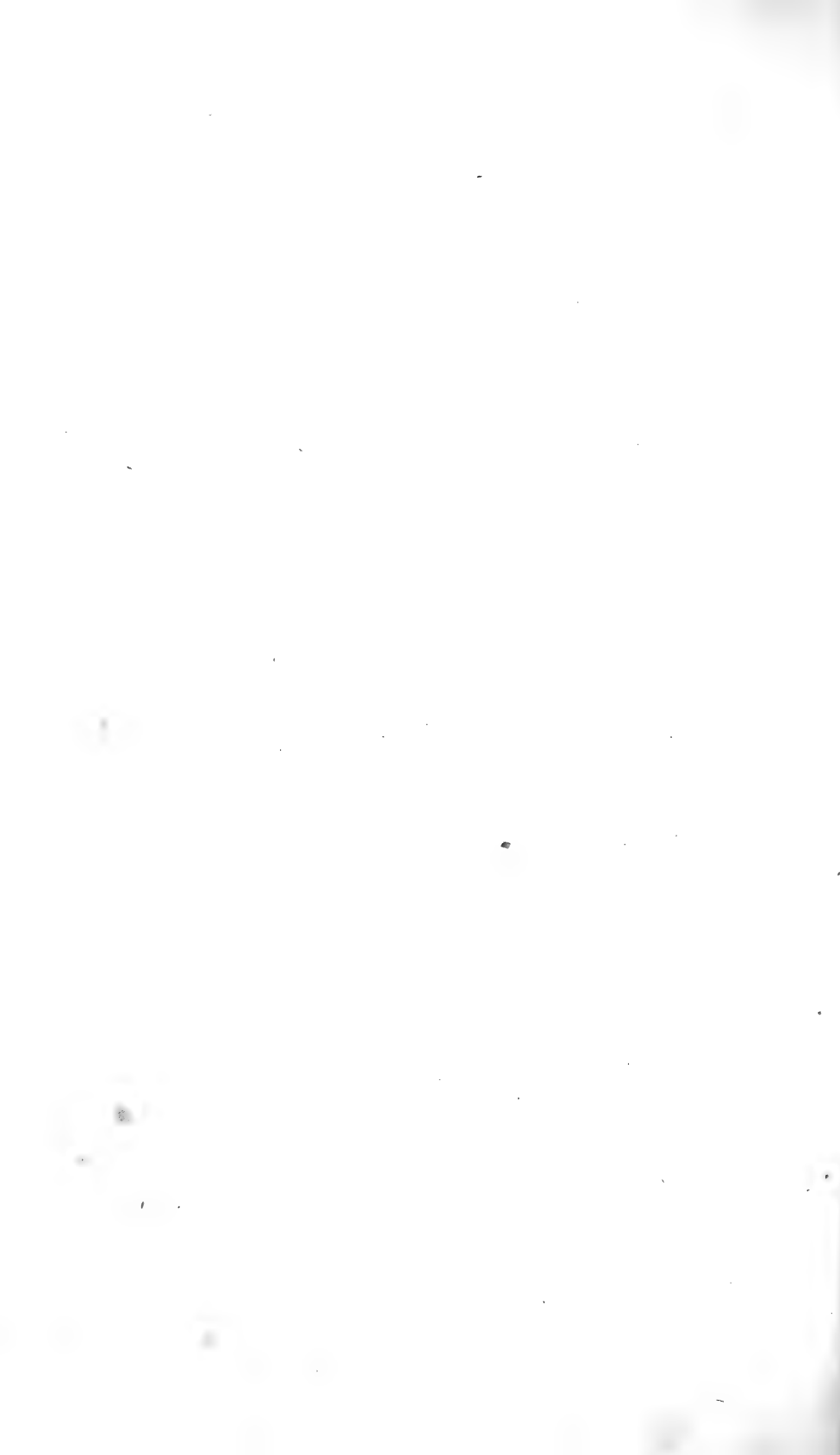




PLATE XVIII.

CHARADRIUS HIATICULA,

SEA LARK, or RINGED PLOVER.

GRAILÆ.

Bill roundish. Tongue entire, fleshy. Thighs naked. Toes divided.

GENERIC CHARACTER.

Bill frnit, roundish, obtuse. Nostrils linear. Toes three in number, all placed forwards.

SPECIFIC CHARACTER.

Length seven inches. Bill orange, black at the tip. From the base of the upper mandible to the eyes, a black line: another from one eye to the other. Crown of the head brown. Chin and throat white, passing round the neck in a broad collar: beneath this, on the lower part of the neck, is a second line of black, encircling the neck behind, but becoming narrower as it passes backward. Breast and under parts white. Back and wing coverts pale brown. Two middle feathers of the tail greyish brown, growing almost black towards the ends; the three next on each side the same, with white tips; the last but one is white, with a brown band: the outer one white. Legs orange; claws black.

CHARADRIUS HIATICULA. *Lin. Syst.* I. p. 253. 1.

Faun. Suec. 187.

Scop. Ann. I. N° 147.

Brun.

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Brun. N° 184.

Georgi Reise. p. 172.

Faun. Groenl. N° 78.

SEA LARK. *Raii Syn.* p. 112. A. 6. 190, 13.

Sloan. Jam. p. 319. 13. pl. 269. fig. 2.

Albin. I. pl. 80.

Will. Orn. p. 310. pl. 57.

Br. Zool. II. 383.

RINGED PLOVER. *Pennant's Br. Zool.* N° 211.

Arct. Zool. N° 401.

Br. Mus.—Lev. Mus.

Lath. Gen. Syn. V. 201. 8.

Le petit Pluvier-à Collier, *Brif. Orn.* V. p. 63. 8. pl. 5. fig. 2.—

Pl. enl. 921.

Le Pluvier à Collier, *Buff. Ois.* viii. p. 90. pl. 6.

Griefs hennl. *Kram.* 354.

Strandpipare, Grylle, Trulls, *Lappis Pago.* *Faun. Suec. sp.* 187.

Bornholmis Præfte-krave, Sand-Vrifter. *Brun.* 184. *Frisch.* II. 214.

Those Birds migrate to our shores in the spring, but are never very numerous; they remain with us during the summer, and depart in autumn. They run lightly, and with much swiftness, and when disturbed take short flights; at the same time they make a loud twittering noise.

The female makes no nest, but deposits four eggs on the ground, under some convenient shelter; the eggs are about one inch and an half in length, of a dull whitish colour, spotted and blotched with black.

The

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The same species is found in several parts of the Continent; in *Greenland*, and in *America*. Latham observes that it visits *Hudson's Bay* the middle of June, and departs in September. He adds, "it is a solitary bird; and observed, on any one's approaching near the eggs, to use many stratagems to decoy the person from it, by drawing off its attention. Called at *Hudson's Bay*, *Kisqua*, *the napi Shish*."—*Gen. Syn.*

The same writer also mentions a variety which inhabits *Cayenne*; the length of this variety is six inches and an half. Bill black: forehead, and before as far as the breast, white, passing round the lower part of the neck as a collar: the rest of the plumage pale dusky ash-colour: the end half of the tail dusky black, the tip fringed with rufous: legs pale.



PLATE XIX.

TRINGA PUGNAX.

RUFF.

GRILLE.

Bill roundish. Tongue entire, fleshy. Thighs naked. Toes divided.

GENERIC CHARACTER.

Bill roundish, strait, about the length of the head. Nostrils narrow. Toes four.

SPECIFIC CHARACTER.

Feathers of the neck remarkably long. General colour brown, commonly marked with spots, or concentric circles of black. Legs dull yellow. Female has no ruff.

TRINGA PUGNAX. *Linn. Syst. I. p. 147. I.*

Faun. Suec. 175.

Scop. Ann. I. N° 140.

Brun. 168. 169.

Kram. p. 352.

Frisch. t. 232. 235.

Georgi Reisc. p. 172.

AVIS PUGNAX. *Aldr. av. III. 167.*

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- RUFF and REEVE. *Albin.* I. *pl.* 72. 73.
Penn. Brit. Zool. N° 192. *pl.* 69.
Arch. Zool. *p.* 479. A.
Lath. Gen. Syn. V. 159. I.
Br. Mus.—Lev. Mus.
- RUFFE. *Raii Syn.* *p.* 107. A. 3.
Will. Orn. *p.* 302. *pl.* 56.
- Le Combattant, ou
 Paon de Mer, *Brif. Orn.* V. *p.* 240. 18. *pl.* 22. *fig.* 1. 2.
Buff. Ois. vii. *p.* 521. *pl.* 29. 30.
Pl. enl. 305. 306.
- Krofler. *Kram.* 352.
- Brufthane. *Faun. Suec. sp.* 175.
- Bruufthane. *Brunnick,* 168.
- Streitschnepfe, Ramphæhnelein. *Frisch.* II. 232. 235.
-

The length of the male is twelve inches, of the female ten inches; the bill of the former is yellow in some, in others black, or dark brown; the face is covered with yellow pear-shaped pimples; the back part of the head and neck are furnished with long feathers, which expand in a very singular manner on each side of the neck, and impend loosely over the breast, like the ruff anciently worn in this country. A portion or tuft of those feathers project also just beyond each eye, and have the appearance of long ears.

As the most remarkable peculiarity of those Birds are that no two specimens are ever found to agree in the colours of the plumage, it is impossible to give any description, except of its form, that may assist the unskilful ornithologist to determine the species, when it

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has attained the ruff; it cannot, however, be mistaken, as no Bird of this country resembles it in the smallest degree. The ground colour is generally brown, but it varies in different Birds to every hue between the lightest tint that can deserve that name, and the deepest chocolate colour; sometimes we find the ruff of a fine tender buff colour, without the slightest appearance of spots, except on the breast and back, which may be of a deep black, intermingled with a few white feathers, and glossed with shining purple; others we find that have the ruffs of a deep brown, barred with black; some with white ruffs spotted with brown, or brown spotted with white; and indeed with every variation that it is possible to describe.

The *females*, or *Reeves*, Pennant asserts, never change their colours, which he says are pale brown; the back spotted with black, slightly edged with white; the tail brown; the middle feathers spotted with black; the breast and belly white; the legs of a pale dull yellow: but I have two specimens that do not well agree with his description, or correspond with each other; and in the Leverian museum a variety of that sex is preserved that is wholly white, except the wings, on which the usual markings are visible in a very pale colour.

The female has no ruff, and the male does not attain that appendage until the second season; at the time of incubation the plumage of the latter is in the full perfection, and the pimples break out on his face: but after that time they shrink beneath the skin, the long feathers of the ruff fall off, and he again assumes the plain appearance of the female.

These Birds inhabit the North of *Europe* in summer, as far as *Iceland*, as well as the northern marshes of *Russia* and *Siberia*. In this country they are found in *Lincolnshire*, the Isle of *Ely*, and in the east

PLATE XIX.

riding of *Yorkshire**; they arrive at those places early in the spring, and disappear about *Michaelmas*.

The Reeve lays four eggs in a tuft of grass the beginning of May; they are white, marked with large rusty spots.

Soon after their arrival, the males begin to *bill*; that is, to collect on some dry bank near a splash of water, in expectation of the females. Each male keeps possession of a small piece of ground, round which it runs so often as to form a bare circular path; the instant a female alights among them, the males are in motion; a general battle ensues, and the fowlers, who have been waiting for the advantage of such an event, catch them in their nets in great numbers †.

In the fens each male remains within his circle, and defends himself against every invader with much resolution; the least infringement on his possession by another male is resented with the greatest violence; and if any farther attack is made, a battle is the consequence: in fighting they have the same action as a cock, spread their ruffs, and place their bills to the ground.

“It is usual to fat these birds for table by means of *bread* and *milk* mixed with *hemp-seed*, and sometimes boiled *wheat*; to these by many *sugar* is added; which last in a fortnight’s time will cause them to be one lump of fat, when they will fetch from two shillings to half a crown each.”—*Lath. Gen. Syn.*

* Brit. Zool.

† They visit a place called *Martin-mere* in *Lancashire*, the latter end of March, or beginning of April, but do not continue there above three weeks.—*Brit. Zool.*



PLATE XX.

MERGUS ALBELLUS.

S M E W.

A N S E R E S.

Bill obtuse, covered with a thin membrane, broad, gibbous below the base, swelled at the apex. Tongue fleshy. Legs naked, feet webbed, or finned.

GENERIC CHARACTER.

Bill slender, a little depressed, furnished with a crooked nail; edges of the mandibles very sharply serrated. Nostrils near the middle of the mandible, small and subovate. Feet furnished with four toes; three forwards, and one behind; the outer toe before longer than the middle one.

SPECIFIC CHARACTER.

Bill lead colour. General colour of the plumage white. Head crested at the back part; on each side of the head an oval black spot, beginning at the bill, and encircling the eye. On the lower part of the neck, on each side, are two curved black streaks, pointing forward. Inner scapulars, back, coverts on the side of the wing and the greater quill feathers, black. Tail cinereous. Legs grey.

MERGUS ALBELLUS. *Lin. Syst.* I. p. 209. 5.

Faun. Suec. N° 137.

Brun. N° 97.

Kram. El. p. 344. 3.

Frisch. t. 172.

MERGUS

P L A T E XX.

MERGUS ALBULUS. *Scop. Ann. i. N° 91.*

MERGUS RHENI. *Raii Syn. p. 135. 5.*

Will. Orn. p. 337.

MERGUS RHENANUS. *Gesner. av. 131.*

SMEW. *Albin. i. pl. 89.*

Penn. Brit. Zool. ii. N° 262.

Lath. Gen. Syn. 6. 421. 5.

Arch. Zool. N° 468.

WHITE NUN. *Will. Orn. 337. pl. 64.*

Raii Syn. p. 135. A. 3.

WEESEL COOT. *Albin. i. pl. 88.*

RED-HEADED SMEW. *Br. Zool. ii. 263.*

Br. Mus.—Lev. Mus.

Le petit Harle huppé, ou la Piette, *Brif. Orn. vi. p. 243. 3. pl. 24.*
fig. 1.

Buf. Ois. viii. p. 275. pl. 24.—

Pl. enl. 449.

L'Harle étoilé, *Brif. Orn. vi. p. 252. 6.*

Brun. N° 98.

Kreutz-Ente, (Crofs-Duck) *Frifch. ii. 172.*

The Smew is about sixteen inches in length, and twenty-four inches in breadth; its weight thirty-four ounces; our figure is copied from a specimen of the male. The colours of the female do not exactly correspond with those of the male; the head of the former is ferruginous, and slightly crested; cheeks, chin, and throat, white; between the bill and the eye the same oval spot as in the male; breast clouded with grey; belly white; legs pale ash. It is generally called the *Lough Diver*.

PLATE XX.

It visits this country only in the winter; on the Continent it is found as far south as Carniola; is also found in Iceland, and is supposed to breed and remain there during the winter; or that it passes to some other arctic region. It has been observed with the Mergansers, Ducks, and other Water Birds in their migratory course up the *Volga* in February*.

It also inhabits *America*, having been sent from New-York †.

Latham, in his supplement, says that he once discovered a few shrimps in the belly of one of those birds, and supposes them to be its chief food.

* Dec. Ruff. ii. p. 145.

† Arct. Zool.





PLATE XXI.

ANAS QUERQUEDULA.

G A R G A N E Y.

A N S E R E S.

Bill obtuse, covered with a thin membrane, broad, gibbous below the base, swelled at the apex. Tongue fleshy. Legs naked. Feet webbed or finned.

GENERIC CHARACTER.

Bill convex above, flat beneath, hooked at the apex with membranous teeth.

SPECIFIC CHARACTER.

Bill lead colour. Head dusky with oblong streaks. From the corner of each eye a white line passes to the back of the neck. Cheeks and upper part of the neck, brown-purple, marked with minute oblong white lines, pointing downwards. Breast light brown, with semi-circular bars of black. Belly white. Wing coverts grey; first quills ash coloured, exterior webs of the middle quills green. Legs lead colour.

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ANAS QUERQUEDULA. macula alarum viridi, linea alba supra oculos.

Fn. Sv.—Linn. Syst. 1. p. 203.

Scop. Ann. 1. N° 75.

Brun. N° 81.

Muller, N° 125.

Kram. El. p. 343. 18.

Frifch. pl. 176.

QUERQUEDULA Varia. *Gefner. av. 107.*

QUERQUEDULA Prima. *Will. Orn. 291. t. 74.*

Raj. av. 148. 8.

GARGANEY.

Ditto.

Br. Zool. N° 289. pl. 101.

Arch. Zool. p. 576. O.

Lath. Gen. Syn. 5. 550. 87.

Br. Mus.—Lev. Mus.

La Sarcelle. *Brif. Orn. VI. 427. tab. 39. 1. 2.*

Buff. Oif. 9. p. 260.—Pl. enl. 946. (male)

Belon. av. 175.

Scavolo, Cervolo, Garganello. *Aldr. av. 3. 89. 90.*

Krickantl. *Kramer. 343.*

Kriech-Ente. *Frifch. 2. 176.*

Norvegis Krek-And. *Quibufd. Saur-And. Brunnich, 81.*

This species is found in *England* in the Winter ; at that time also it is seen in *France*. In April it departs, and migrates to the North as the Summer advances, to breed.

PLATE XXI.

In Europe it is found as far as *Sweden*; it is very common throughout *Russia* and *Siberia*, and as far as *Kamtchatka*.

Our figure is of the male bird; the female has an obscure white mark over the eye, the rest of the plumage is of a brownish ash colour.





PLATE XXII.

MUSCICAPA ATRICAPILLA.

PIED FLYCATCHER.

PASSERES.

Bill conic, pointed. Nostrils oval, broad, naked.

GENERIC CHARACTER.

Bill flattened at the base; almost triangular; notched at the end of the upper mandible, and beset with bristles. Toes divided as far as their origin.

SPECIFIC CHARACTER.

Bill black. Upper parts of the body, wings, and tail, black. Forehead and under part white. Several white feathers in the Wing. Upper tail coverts black and white mixed. Legs black.

MUSCICAPA ATRICAPILLA. *Lin. Syst. I. p. 236. 9.*

Frisch. pl. 24.

Kram. El. p. 377. 16.

Atricapilla five ficedula.

Alar. av. II. 331.

COLDFINCH.

Raii Syn. p. 77. A. 5.

Will. Orn. p. 236.

Edw. pl. 30.

Br. Zool.—Lond. 1766.

PIED

P L A T E XXII.

PIED FLYCATCHER.	<i>Penn. Brit. Zool.</i> I. N ^o 135. <i>Lond.</i> 1776. <i>Arct. Zool.</i> <i>Lath. Gen. Syn.</i> III. 324. 2.
Le Traquet d'Angleterre.	<i>Briss. Orn.</i> iii. p. 436. 27.
Rubetra Anglicana.	<i>Buff. Ois.</i> V. p. 222.
Meerschwartz puffie.	<i>Kram. Aufl.</i> 377.

The Goldfinch, or according to Latham and Pennant, the Pied Flycatcher, is found in *Yorkshire*, *Lancashire*, and *Derbyshire*; in those parts of the kingdom it is not very frequent, in every other it is extremely rare.

It is unnecessary for us to describe the many varieties that are known of this species; in England the colours of its plumage varies considerably at different seasons of the year; but such as are natives of foreign countries, are again so dissimilar to ours, that different authors have alternately described them as varieties, or new species.

The bird that *Latham* describes, was white on the outer web of the exterior tail feather; the two exterior tail feathers of *Willoughby's* bird was marked with white; and on the contrary, we have a specimen which does not exhibit the least trace of white on either. The upper tail coverts are black and white mixed, in some specimens; in others they are wholly black; and *Le Gobe-mouche noir* of *Brissot*, which is only another variety, differs in having a mixture of grey on
the

PLATE XXII.

the upper parts, the thighs brown and white, and *three* of the exterior tail feathers white on the margins.

A more pleasing variety than either, is found in *Lorraine* and *Brie*; it corresponds in size with those found in England; but the white of the breast which terminates under the cheeks in the latter, passes quite round the neck like a collar in the former *.

The plumage of the female is brown in those parts where the male is black; it has no white on the forehead; the white spot on the wing is more obscure; and the under parts of the body is of a dusky white. The male possesses only the full black during the summer; as that season declines, its plumage alters, and it gradually assumes so perfectly the appearance of the female, that he cannot be distinguished from her.

The nest is usually built in the hole of a tree, not very near the ground; it is composed of fibres, mixed with moss, and contains six eggs. It feeds on Insects.

* This variety is called by Buffon *Le Gibemouche noir à Collier*. Hist. des Ois. 4. p. 520. pl. 25. f. 1.





PLATE XXIII.

STERNA HIRUNDO.

COMMON TERN.

ANSERES.

Bill obtuse, covered with a thin membrane, broad gibbous below the base, swelled at the apex. Tongue fleshy, legs naked. Feet webbed or finned.

GENERIC CHARACTER.

Bill strait, slender, pointed. Nostrils linear. Tongue slender and sharp. Wings very long. Tail forked, back toe small.

SPECIFIC CHARACTER.

Bill and feet red. Crown and tip of the bill black. Neck, and underfide white. Back and wings fine grey.

STERNA HIRUNDO. *Linn. Syst. Nat.* I. p. 227. 2.

Faun. Suec. N° 158.

Hasselq. p. 272. N° 40.

Scop. Ann. I. N° III.

Brun. N° 151. 152.

Mull. p. 21.

Faun. Groenl. N° 69.

Kram. El. p. 345. (*Larus*).

Frisch. 2. 219.

P L A T E XXIII.

THE SEA-SWALLOW. *Raï. Syn. p. 131. A. I. 191. 7.*

Will. Orn. p. 352. pl. 68.

Albin. II. pl. 88.

COMMON TERN. *Lath. Gen. Syn. 6. 361. 14.*

GREAT TERN. *Br. Zool. N° 254. pl. 90.*

Lev. Mus. Br. Mus.

THE KERMEW. *Marten's Spitzberg. 92.*

Le Grande Hirondelle-de-Mer. *Brif. Orn. VI. p. 203. I. pl. 19. fig. 1.*

Buff. Oif. 8. p. 331. pl. 27.—Pl. Enl. 987.

Tarna. *Faun. Suec.*

Sterna (Stirn, Spyrrer, Schnirring). *Gefn. av. 586.*

Grauer fischer. *Kram. 345.*

Iflandis Kria. Norvegis Tenne, Tende, Tende-lobe, Sand-Tolle,

Sand-Tærne. Danis Tærne. Bornholmis Kirre, Krop-Kirre.

Brunnich. 151. Makauka. Scop. N° 3.

Schwartz plattige Schwalben Moewe. *Frisch. II. 219.*

The length of this species is fourteen inches; its breadth thirty; and its weight four ounces and a quarter. It is very common on the sea-coasts, banks of lakes and rivers in this country during summer; it quits the breeding places at the approach of winter, and returns in spring.

It is found in various parts of *Europe* and *Asia*; in the summer as far as *Greenland* and *Spitzbergen*. It is also found in *America*; arrives at *New England* in May, and disappears in Autumn. At *Hudson's Bay* it is known by the name of *Black-head* *.

* *Lath. Gen. Syn.*

PLATE XXIII.

Dr. Forster mentions a variety at *Hudson's Bay*, having the Legs black; Tail shorter and less forked; and the outer feathers wholly white*: The Bird Albin has figured in his plate 88, vol. 2. appears also to be a variety; the legs are black, and the bill is of the same colour, except the tip, which is red.

These Birds breed among tufts of rushes, grass, or moss near the water side; they lay three or four eggs, about an inch and three quarters in length, of a dull olive colour, marked with irregular black spots, and sprinkled with specks of an obscure brown in June; the young birds are hatched in July, and quit the nest soon after.

They feed on small fish and water insects; are very clamorous and daring; and during the time of incubation, will dart on any person who may pass by their nest, though they should neither provoke nor disturb them.

It appears to have all the actions over the water which the Swallow has on land, skimming and describing vast circuits over the surface of the waves when seeking its prey, diving with intrepidity the instant it discovers it, and instantly appearing again on the wing with the fish in its mouth. Notwithstanding the affinity of its actions with those of the Swallow, *Pennant*, in the British Zoology, has altered the name to *Tern*, "a name," he observes in a note, "these birds are known by in the *North of England*; and which we substitute instead of the old compound one of *Sea-Swallow*; which was given them on account of their forked tails."

* *Phil. Transf. vol. lxii. p. 421.*





PLATE XXIV.

STURNUS CINCLUS.

WATER-OUZEL

PASSERES.

Bill conic, pointed. Nostrils oval, broad, naked.

GENERIC CHARACTER.

Bill straight, subulate, and somewhat angular.

SPECIFIC CHARACTER.

Bill compressed on the side, black. A white spot above and another beneath the eye. Upper part of the head and neck deep brown. Back, Wings, Tail, black; feathers with brownish edges. Chin, fore part of the breast pure white, Belly rufous brown; next the tail black. Legs black.

STURNUS CINCLUS, niger, pectore albo. *Linn. Syst. Nat.* 2. 168.

4. editio Decima.

MOTACILLA pectore albo, corpore nigro. *Fn. Suec.* 216.

MOTACILLA CINCLUS. *Scop. Ann.* 1. N^o 223.

Kram. el. p. 374. 3.

MERULA

P L A T E XXIV.

MERULA AQUATICA. *Gesn. av.* 608.

WATER-OUZEL, or

WATER-CRAKE. *Will. Orn.* 149.

Raii. Syn. p. 66. *A.* 7.

Albin. 2. pl. 39.

Br. Zool. 1. N^o III.

Arct. Zool.

Lath. Gen. Syn. 3. 48. 50.

Br. Mus.—Lev. Mus.

WATER-CRAW. *Turner.*

Le Merle d'Eau. *Bris. Orn.* V. p. 252. 19.

Buff. ois. 8. p. 134. pl. 11.—*Pl. enl.* 940.

Watnfare. *Faun. Suec. sp.* 214.

Merlo Aquatico. *Zinan.* 109.

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Norvegis Fosse Fald, Fosse Kald, Quærn Kald, Stroem-Stær, Bække

Eugl. Brun. 203.

Wasser-amfel, Bach-amfel. *Kra.* 374.

Lerlichirollo. *Aldr. av.* 3. 186.

The Water-Ouzel is a very shy and solitary bird, and though well known as a British species, is generally confined to such parts as abound with small rivulets, or with waters that course between the craggy fragments of mountains; it is therefore that we find it plenty only in *Wales, Cumberland, Yorkshire, and Westmoreland.*

P L A T E XXIV.

It feeds on small fish and insects: its nest is built among the stones on the ground near the water side; beneath the small shelving rocks that over-hang the streams it frequents; or in holes contrived in steep and perpendicular banks; it is composed of hay and fibres of roots, is lined with dead oak leaves, has a covering of green moss, and contains five eggs of a white colour with a blush of red. In young birds the belly is wholly white.

Most authors have noticed the very singular manner in which it searches for its prey, it not only dives under the water, but will fly and run after them at the bottom in the same manner as on land*: *Kramer* says, that one of them had been caught under water by means of a line and hook, which had been baited to catch fish †.

These birds are smaller than the Ring-Ouzel, their length is seven, and breadth eleven inches, weight two ounces and an half; they are found in *Europe* as high as *Feroe* and *Finmark* ‡; as far as *Kamtchatka* in the *Russian* dominions; in *Christiansee* and *Norway*.

* *Hist. des Ois.*—*Dacourv. Rus.* vol. i. p. 307. 314.

† *Albin* says, "it feeds on fish, yet refuseth not insects; sitting on the banks of rivers it now and then flirts up its tail; although it be not web-footed, yet it will sometimes dive or dart quite under water. It is a solitary bird, accompanying only with its mate in coupling and breeding time."

‡ *Art. Zool.*



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